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FORMER WASTE CONTROL SITE

Annual Groundwater Monitoring Programme 2011

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REPORT



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Executive Summary

This executive summary should be read in the context of the report and not as a standalone document.

Golder Associates Pty Ltd (Golder) was engaged by LandCorp, acting on behalf of the Department of Environment and Conservation (DEC) to undertake the 2011 annual groundwater monitoring programme at the former Waste Control site in Bellevue, WA (the site).

Between 1987 and 2001, a chemical/oil recycling and waste treatment facility operated at the site. In February 2001, a large fire broke out at the site destroying the treatment and recycling plant and a stockpile of drummed waste chemicals. Several investigations of the site and surrounds have identified hydrocarbon and halogenated hydrocarbon groundwater contamination associated with the former chemical/oil recycling and waste treatment facility. Furthermore, results from investigations in 2008 and 2009 (Golder, 2009b) indicated that a separate off-site plume originated from a local source near the east end of Stanley Street containing TCE as the only organic contaminant. Potential groundwater impacts in the Damplands Area are primarily associated with the off-site TCE plume. The two separate plumes were interpreted to converge beneath the escarpment prior to entering the Damplands Area (Golder, 2009a). As a remediation strategy, a sequenced denitrification PRB and a zero valent iron (ZVI) PRB were installed into the Damplands Area with construction completed in May 2010.

The 2011 annual groundwater monitoring programme remained unchanged from the 2010 annual groundwater monitoring programme in relation to the methodology followed. In line with recommendations made in the Management Options Report (087643011 163 R RevA), additional monitoring locations from on-site were included in the 2011 annual groundwater monitoring programme. Sampling of a number of the shallow installations locations on the site was assessed as marginal in 2006, given that they are screened in the perched water table and are known to be in contaminated areas. The 2011 annual groundwater monitoring included both on-site and off-site shallow monitoring wells which are in close proximity to the source area.

In general, the results indicate that concentrations of chlorinated ethenes both on-site and off-site have decreased since 2010. As previously identified in the 2008, 2009 and 2010, annual groundwater monitoring results, two plume centrelines can be identified:

- 1) a plume consisting of a mixture of chlorinated ethenes with concentrations generally below RBC, and
- 2) a plume of predominantly TCE that has been inferred to have emanated from the Stanley Street cul-de-sac.

Both plumes converge at the base of the escarpment where the PRB system has been installed.

Results from the 2011 annual groundwater monitoring programme were generally consistent with 2010 results. Hydrocarbon and chlorinated ethene concentrations were stable or decreasing compared to historical results. An increasing trend relating to TCE concentrations at MWG66, a well downgradient of the PRB, was noted although results remained below the relevant RBC.

A review of the quality assurance/quality control (QA/QC) for this sampling event was conducted and overall, the quality assurance objectives outlined in the Golder Sampling and Analysis Plan (SAP, Golder, 2010) for the investigation have been met. Data integrity was considered acceptable to produce precise and accurate analytical data for the purposes of the 2011 groundwater monitoring programme.

Golder recommends that an annual groundwater monitoring programme be undertaken in 2012. Removal of the additional perched aquifer wells included in the 2011 annual groundwater monitoring programme is suggested.



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1.0 INTRODUCTION

LandCorp, acting on the behalf of the Department of Environment and Conservation (DEC) engaged Golder Associates Pty Ltd (Golder) to undertake the 2011 annual groundwater monitoring programme at the former Waste Control site in Bellevue, WA (the site). A location plan showing the regional setting of the site is included as Figure 1. Groundwater and surface water sampling locations are shown in Figure 2. This report presents the results and conclusions from the 2011 annual groundwater monitoring programme. A summary of groundwater analytical results from the permeable reactive barrier (PRB) system is also included. Detailed results from the vicinity of the PRB are reported in the Quarterly Bellevue PRB Report (Golder, 2011a).

2.0 BACKGROUND

A chemical/oil recycling and waste treatment facility operated at the site between 1987 and 2001. In February 2001, a large fire broke out at the site destroying the treatment and recycling plant and a stockpile of drummed waste chemicals. Several investigations of the site and surrounds have identified hydrocarbon and halogenated hydrocarbon groundwater contamination associated with the former chemical/oil recycling and waste treatment facility. Numerous groundwater monitoring wells have been installed as part of the previous investigations, including the WCT Series (HRS, 2000), the WCB Series (DoE, 2001-2004), the MW Series (URS, 2002 and 2003), the MWG Series (Golder, 2008a) and a long-term permeable reactive barrier (PRB) monitoring system (Golder, 2009a).

Furthermore, results from investigations in 2008 and 2009 (Golder, 2009b) indicated that a separate off-site plume originated from a local source near the east end of Stanley Street containing TCE as the only organic contaminant. Potential groundwater impacts in the Damplands Area are primarily associated with the off-site TCE plume. The two separate plumes were interpreted to converge beneath the escarpment prior to entering the Damplands Area (Golder, 2009a). As a remediation strategy, a sequenced denitrification PRB and a zero valent iron (ZVI) PRB were installed into the Damplands Area with construction completed in May 2010.

The PRB system was installed to remediate concentrations of halogenated organic compounds (primarily TCE) *in situ* to concentrations below risk based criteria (RBC). The PRB system consists of two PRBs, which have been positioned at the base of the river valley escarpment where the groundwater plumes naturally converge and site conditions are suitable for PRB construction.

Golder (2006a, 2008b, 2008c, and 2009c) conducted a health and ecological risk assessment of the groundwater and soil at the former chemical/oil recycling and waste treatment facility ('the site') and surrounds. Concentrations of contaminants in groundwater exceeding human health risk-based criteria (RBC) were identified at the site and Lot 2. In addition, several exceedences of health criteria were identified in groundwater located beneath the Hanson property, the Southwest Industrial Area and in the Damplands/Helena River. Concentrations exceeding ecological screening criteria and, where available, RBC, were identified in groundwater entering the Damplands.

Groundwater monitoring of the site is undertaken annually and the purpose of this report is to present the results from the 2011 annual groundwater monitoring programme undertaken in June and July 2011.



2.1 Site Description

The site comprises Lots 88 and 99, in the suburb of Bellevue, WA. However, previous investigations have identified that off-site groundwater is also impacted. Bellevue is a semi-industrial suburb that contains both light industrial and residential properties. The lots where monitoring was undertaken during the 2011 annual groundwater monitoring programme are as follows:

- Lot 88 and 99 - the site
- Lot 5 Oliver Street - Hanson Property
- Lot 1 (commonly referred to as the Damplands)
- Lot 2 (Main Roads)
- Lot 87 - Stanley Street: A&P Transport
- Lot 82 - Street Address: 3 Stanley Street
- Portion of Stanley Street Road Reserve
- Upgradient of site on Irwin Street.

A location plan showing the regional setting of the study area is included as Figure 1. Monitoring wells included in the 2011 sampling event are presented in Figure 2. For further detail on the site description, refer to Golder 2008a and 2008d.

2.2 Hydrogeological Setting

Regionally, Perth is underlain by a series of aquifers separated by confining beds. Three main aquifers have been identified (Commander, 2004), however, only the upper two aquifers present beneath the study area have the potential to be impacted:

- The unconfined Superficial Aquifer comprising the permeable units of the Swan Coastal Plain; the Guildford Formation and alluvial sediments. In the vicinity of the site, groundwater flows south/south-west in the Guildford Formation/alluvial sediments towards the Helena River but regionally it flows to the west. Elsewhere, this groundwater may be used for public water supply but in the vicinity of the site groundwater is more likely to be used for watering parks, irrigation of domestic crops and for garden watering.
- The semi-confined Leederville Formation in which groundwater flows generally south south-west from the area of the site. It is a major aquifer used for public water supply, for irrigation and watering of public open space.

It should be noted that, where encountered in the local study area, the upper portion of the Leederville Formation included relatively low permeability clay and clayey sand deposits. This is consistent with the semi-confined description of this unit with lower permeability layers marking the interface with the overlying Guildford sediments.

Furthermore, clay intervals within the Guildford Formation act as a barrier to downward migration of recharge water and/or contaminants and has allowed the formation of perched aquifers above the regional water table. Wells installed within the perched aquifer have been identified as being located in the "Shallow Perched Aquifer".

A detailed hydrogeological interpretation was presented in "*Geological and Hydrogeological Conditions, Bellevue Waste Control Site*" (Golder, 2005) and "*Hydrogeological Site Assessment*" (Golder, 2006b). Water level data indicate the regional 'true' groundwater table (referred to herein as the 'Regional Watertable') was located between 7 and 9 m AHD, approximately 8 to 12 m below ground level.



Perched groundwater zones have been identified above the Regional Watertable beneath the site but not in the off-site study area.

2.3 Monitoring Objectives

The objectives of the 2011 annual groundwater monitoring programme were to:

- Evaluate the direction and velocity of groundwater across the site.
- Monitor changes in contaminant distribution (if any), with a particular focus on:
 - the leading downgradient edges of the hydrocarbon and both chlorinated hydrocarbon plumes
 - impacts on the Leederville Formation and the Helena River.
- Monitor groundwater contamination in the vicinity of the site.
- Sample selected additional on-site and off-site shallow monitoring wells to assess any changes in the concentration of contaminants in the vicinity of the source area since 2005.

The scope of work for the 2011 annual groundwater monitoring programme to meet these objectives comprised:

- the collection of a round of groundwater level measurements
- the collection of groundwater samples from 38 monitoring wells at the site, Hanson, Southwest Industrial Area, Lot 2 and Damplands
- the collection of three surface water samples from the Helena River

Samples were collected from 38 monitoring wells (three wells listed in the scope of works were dry and one well was destroyed, therefore not sampled). The 2011 annual groundwater monitoring programme was conducted between 19 June 2011 and 7 July 2011 and was based on recommendations, guidance and data quality objectives (DQO) outlined in the Sampling and Analysis Plan (SAP) and the scope outlined in the Annual Groundwater Programme (Golder 2010 and 2011b, respectively). In addition, three surface water samples from the Helena River were collected on 7 July 2011. On 2 August 2011, MW04 was sampled as the groundwater had sufficiently recharged in order for a sample to be collected. The sampling of MW04 was important as it was considered the most contaminated well in the past. The monitoring well locations are summarised below based on their hydrogeological unit with their respective cadastral locations listed in parenthesis. Wells highlighted in blue represent the additional wells sampled during the 2011 annual groundwater monitoring programme. All sampling locations are shown on Figure 2.

Shallow Perched Aquifer

- | | |
|-----------------------------|-----------------------------|
| ■ MW01 (Waste Control Site) | ■ MW28 (Waste Control Site) |
| ■ MW02 (Waste Control Site) | ■ MW32 (Hanson) |
| ■ MW03 (Waste Control Site) | ■ MW44 (Waste Control Site) |
| ■ MW04 (Waste Control Site) | ■ MW05 (Waste Control Site) |



Guildford (Regional Watertable)

- | | |
|------------------------------|--------------------------|
| ■ MW21i (Waste Control Site) | ■ MWG59 (Lot 2) |
| ■ MW22i (Waste Control Site) | ■ MWG62 (Damplands) |
| ■ MW23i (Waste Control Site) | ■ MWG63 (Damplands) |
| ■ MW42 (Lot 2) | ■ MWG64 (Hanson) |
| ■ MWG49 (Lot 2) | ■ MWG65 (A&P Transport) |
| ■ MWG54 (Lot 2) | ■ MWG70 (Stanley Street) |
| ■ MWG57 (Lot 2) | ■ MWG91A (Lot 2) |
| ■ MWG51 (Oliver Street) | |

Base of Guildford

- | | |
|-----------------------------|-----------------------------|
| ■ MW25 (Waste Control Site) | ■ MWG91B (Lot 2) |
| ■ MWG46 (Irwin Street) | ■ MWG91C (Lot 2) |
| ■ MWG48 (Lot 2) | ■ MWG69 (Stanley Street) |
| ■ MWG50 (Oliver Street) | ■ MW27 (Waste Control Site) |
| ■ MWG56 (Hanson) | |

Leederville

- | | |
|------------------------|-----------------|
| ■ MWG45 (Irwin Street) | ■ MWG47 (Lot 2) |
|------------------------|-----------------|

Alluvium

- | | |
|---------------------|---------------------|
| ■ MW36 (Damplands) | ■ MWG66 (Damplands) |
| ■ MWG60 (Damplands) | ■ MWG68 (Damplands) |

Helena River

- | | |
|---------------------|--------------------|
| ■ SG05 (Downstream) | ■ SG06 (Midstream) |
| ■ SG07 (Upstream) | |

3.0 METHODOLOGY

The methodology used in the 2011 annual groundwater monitoring programme is consistent with the guidelines outlined in the Golder SAP (Golder, 2010).

3.1 Water Sampling

Twenty-one wells at the site, Damplands, Lot 2, Irwin Street (upgradient) and the Southwest Industrial Area were purged and sampled using a submersible QED micropurge bladder pump operating at a relatively low flow rate of approximately 120 to 260 mL/min. Due to low recharge, reduced flow rates were used for MW02 (95 mL/min), MW03 (40 mL/min), MW21i (50 mL/min), MW22i (60 mL/min), MW23i (17 mL/min), MW28 (105 mL/min), MW44 (100 mL/min), MWG49 (15 mL/min), MWG51 (35 mL/min), MWG54 (30 mL/min), MWG56 (100 mL/min), MWG59 (35 mL/min) and MWG91a (105 mL/min).



Three locations in the Damplands were purged and sampled using a peristaltic pump. Constant flow rates ranging between 180 to 240 mL/min were used for all of these locations (MWG60, MWG66 and MWG68).

Three surface water samples were collected from the Helena River using a peristaltic pump. Constant flow rates of approximately 180 to 245 mL/min were used for all of these locations (SG05, SG06 and SG07).

Two locations at the site, MW01 and MW04, were sampled using a peristaltic pump. The recorded depths to water at the time of sampling were 4.95 m btoc and 4.675 m btoc; appropriate depths for the peristaltic pump to operate effectively. Low flow rates of between 120 mL/min to 140 mL/min were achieved using the peristaltic pump although low recharge was observed in both cases.

The peristaltic pump in conjunction with dedicated tubing was used where possible as the pump is external to the well, eliminating a potential source of cross-contamination. A water level was taken prior to pumping at each location using a water level meter and drawdown was monitored when using the submersible pump to ensure that the groundwater level did not fall below the intake valve of the pump. An interface probe was used within the Waste Control Site to assess whether non-aqueous phase liquids (NAPLs) were present prior to sampling. No NAPL was observed.

The QED Sample Pro[®] MicroPurge submersible pump was used for the remainder of the sampled wells because the depth of groundwater was generally greater than the 8 m pumping limit of the peristaltic pump. Sampling was carried out in accordance with standard quality procedures adopted by Golder to minimise the risk of cross contamination. In particular, the QED submersible pump was thoroughly decontaminated prior to use and between each sampling location. The decontamination procedure involved disassembling the pump and washing all components in a water/decon90 mix followed by rinsing them at an initial distilled water station, and again at a second distilled water wash station. The pump was finally sprayed a third time with laboratory grade distilled water using a hand sprayer prior to reassembling and installation into the well. Nitrile gloves were replaced between each of the three wash stations and hand spray rinse, with the water used to clean the pump changed between each sample location. All non-stainless steel pump components (Teflon bladder and o-rings) were also replaced between locations. Field rinsate wash blanks were also collected as a check on the decontamination process. Laboratory grade distilled water was used for the final decontamination of submersible pump components prior to pump assemblage. The laboratory grade distilled water was sampled and analysed on 27 June 2011 for quality assurance and quality control purposes.

The monitoring wells sampled using the QED submersible pump were generally collected in an order from least contaminated to most contaminated based on previous chemical data obtained at the site to further minimise the potential for cross contamination.

Regardless of the pump used, near continuous measurements of field groundwater parameters were made during the purging process, including pH, temperature, electrical conductivity (EC), oxidation reduction potential (ORP) and dissolved oxygen (DO) using a pre-calibrated TPS90 FLMV water quality meter. The calibration of the meter (pH and conductivity) was checked twice daily by submersing the relevant probes into two standard pH solutions (pH 4 and pH 7) and a standard conductivity solution (2.76 mS/cm). A groundwater sample was collected once the field parameters stabilised (to within $\pm 10\%$ and 0.1 of a pH unit).

Each groundwater sample was collected using dedicated nitrile gloves, dedicated high density polyethylene tubing and placed into bottles supplied by the laboratory with the relevant preservatives. Samples for metals analysis were field filtered with a single-use disposable 0.45 micron filter prior to mixing with preservative. Samples were stored under cool conditions in an esky with ice or freezer bricks while in the field and in transit to the laboratory. Each sample, including all quality assurance samples, was given a unique Sample Control Number, which was recorded on a Chain of Custody (CoC) form with all other relevant sampling information. A CoC record was kept for samples from the time of sample collection until delivery to the laboratory. All primary samples were submitted to Leeder Consulting (Leeder), who are NATA accredited for all analyses. Blind duplicate samples were also submitted to Leeder. Blind triplicate



samples were submitted to ALS Environmental (ALS), who is NATA accredited for all analyses. The chain of custody forms and the laboratory certificates are included as Appendix A.

Collected groundwater samples were analysed for one of the following analytical suites.

3.1.1 Suite 1

Testing suite 1 comprised the following analytes:

- total petroleum hydrocarbons (TPH) (C₆-C₃₆)
- volatile organic compounds (VOCs) including chlorinated ethenes, brominated VOCs (Br-VOCs), dichloroethane and benzene, toluene, ethylbenzene and xylene (BTEX).

The following 15 monitoring wells were analysed for suite 1: MWG45, MWG46, MWG47, MWG48, MWG49, MWG57, MWG91A, MWG91B, MWG91C, MWG59, MWG54, MW42, MWG65, MWG69 and MWG70.

3.1.2 Suite 2

Testing suite 2 comprised the following analytes:

- TPH (C₆-C₃₆)
- VOCs including chlorinated ethenes, Br-VOCs, dichloroethane and BTEX
- dissolved metals (including aluminium, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc).

The following 17 monitoring wells were analysed for suite 2: MWG50, MWG51, MW32, MWG56, MWG64, MW01, MW02, MW03, MW04, MW05, MW21i, MW22i, MW23i, MW25, MW27, MW28 and MW44.

3.1.3 Suite 3

Testing suite 3 comprised the following analytes:

- TPH (C₆-C₃₆)
- VOCs including chlorinated ethenes, Br-VOCs, dichloroethane and BTEX
- dissolved metals (including aluminium, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc)
- nitrate as N.

The following nine locations were analysed for suite 3: MW36, MWG60, MWG62, MWG63, MWG66, MWG68, SG05, SG06 and SG07.

All monitoring wells were tested for the following field parameters by Golder field personnel:

- conductivity (EC)
- dissolved Oxygen (DO)
- temperature
- pH
- oxidation Reduction Potential (ORP)
- water levels.



3.1.4 QA/QC

The field QA/QC programme adopted for the investigation complied with recommendations in the SAP (Golder, 2010). In particular, the field QA/QC included the following:

- The use of dedicated equipment at each location coupled with stringent field decontamination procedures to minimise the potential risk of cross-contamination.
- The collection of samples into laboratory provided sample containers with appropriate preservatives where required.
- The collection and review of trip blanks as a check on sample integrity and laboratory data quality.
- Field duplicates submitted to the primary NATA approved laboratory, with duplicate split being sent an alternative NATA approved laboratory.
- Consideration of internal laboratory QA/QC results, including a review of laboratory duplicate and blank sample results, as well as the results of surrogate and spike analyses.
- Discussion of any other QA/QC issues that arise.

The laboratory QA/QC programme adopted for the investigation also complied with recommendations in the SAP (Golder, 2010) and included the following:

- The primary laboratory for the annual samples was conducted by Leeder Consulting with ALS as the duplicate laboratory. All laboratories are NATA registered for all the required analyses.
- A minimum of one laboratory duplicate performed on each batch of samples provided to the lab. The relative percent difference (RPD) is considered satisfactory if below 50%. Laboratory blanks will be run at the beginning and end of each batch of samples. Spike recovery analyses for each analytical suite, for each batch of samples received (i.e. one spike recovery analyses for every 10 samples) will be undertaken. Spike recovery analysis results within a range of 75% to 125% is considered satisfactory for quality.

3.2 Sampling Locations

There were more locations sampled during the 2011 annual groundwater monitoring programme than during the 2010 annual groundwater monitoring programme. This was due to the sampling of a number of the additional shallow installations locations on the site. These shallow wells are screened in the perched aquifer and were assessed as contaminated in 2006. Further monitoring of these seven shallow wells along with five other wells located adjacent to or within the site were assessed during the 2011 annual groundwater monitoring programme for changes in contamination levels. The five other wells were also identified to be contaminated in previous sampling events so further characterisation of these wells was recommended. The additional monitoring wells comprise:

- seven shallow Site wells (MW01, MW02, MW03, MW04, MW05, MW28 and MW44)
- one deep Site well (MW27, Base of Guildford)
- one shallow well on the Hanson property (MW32)
- one deep well on the Hanson property (MWG56, Base of Guildford)
- two deep wells in the Southwest Industrial Complex (MWG50 (Base of Guildford) and MWG51 (Regional Watertable)).



4.0 EVALUATION CRITERIA

Groundwater results from monitoring wells were compared against appropriate site-specific Risk Based Criteria (RBC) developed in the human health and ecological risk assessment conducted for the site and surrounds (Golder 2008b, 2008c and 2009b). These site-specific RBC considered the current and future uses of the site and surrounds.

For the Site, Lot 2, Hanson Property, Industrial area to the south-west and upgradient wells there are two primary human health risk based criteria that are considered, namely:

- an indoor worker exposed to contaminants via vapour inhalation only
- an outdoor worker/irrigator exposure to contaminants in groundwater via vapour inhalation, ingestion and dermal exposure.

In most cases, the lesser RBC were for the irrigator scenario with the exceptions being contaminants that are volatile and carcinogenic i.e. trichloroethene and vinyl bromide. As there is a restriction on the abstraction of groundwater¹ on the site and Hanson property under their Contaminated Sites Classification (*Contaminated - Remediation Required*) the irrigator scenario is a future land use consideration.

The Damplands health RBC is based on an exposure scenario for a worker not conducting irrigation activities exposed to outdoor vapours. The RBC for the outdoor worker at the site, Hanson and Southwest is also applicable to the Damplands should irrigation be undertaken in the future use of the land.

RBC were not developed for aquatic receptors. Instead published screening criteria based on the protection of a mixture of aquatic species in moderately disturbed ecosystems were used in the majority of cases² (Golder, 2008c). Application of these screening criteria to Damplands monitoring wells upgradient of the Helena River provides a conservative assessment of risks to the aquatic ecosystems as some attenuation of chemical concentrations is expected prior to discharge into the River.

Results from the Helena River samples were compared against both the health recreational swimmer RBC (Golder, 2008b) Aquatic Ecological Screening Criteria (previously discussed).

The additional wells included in the 2011 annual groundwater monitoring programme were considered separately to the standard wells sampled during annual groundwater monitoring programmes. This allowed easier comparison of recent results to historical results for these wells. The wells were compared to the RBCs relevant to the area in which they were located.

The groundwater results along with the adopted RBCs for each location are provided at the end of this report in Tables 1 to 8.

5.0 2011 ANNUAL GROUNDWATER MONITORING RESULTS

Results from the 2011 annual groundwater monitoring programme are provided in Tables 1 to 8. The following discussion summarises the results from both the water level monitoring and the groundwater analysis.

5.1 Water Levels

Water levels collected during the 2011 annual groundwater monitoring programme have been included in Table 9 along with historical measurements, and presence of non-aqueous phase liquid (NAPL) for each monitoring location. Groundwater levels at almost all monitored locations dropped in 2011 with an average drop of 0.8 m from all locations dipped as part of the 2011 annual groundwater monitoring programme.

¹ The Contaminated Sites Act 2003 Basic Summary of Records indicates that for the site and Hanson property that "groundwater abstraction is not permitted at this source site due to the nature and extent of groundwater contamination" and "groundwater abstraction is not permitted at these affected Parcels for the source site due to the nature and extent of groundwater contamination", receptively.

² Anthracene, benzo(a)pyrene, fluoranthene and phenanthrene have changed to the 99% protection level (as recommended by ANZECC and ARM CANZ 2000), due to the potential for bioaccumulation and secondary poisoning effects



Groundwater levels from 2011 were compared to 2010 groundwater levels unless no 2010 data was available. In this case, 2009 groundwater levels were compared against 2011 groundwater levels.

5.1.1 Groundwater Movement

Groundwater surface elevations were measured in June 2011 in the four groundwater bearing zones (Regional Watertable, Alluvium, Base of Guildford and Leederville) as well as in the Shallow Perched Aquifer identified at the Waste Control Site. Groundwater surface elevations maps for the Regional Watertable and Base of Guildford Formations are presented in Figures 3 and 4. Groundwater surface elevations at the Regional Watertable in the Guildford Formation and in the Damplands Alluvial Formations have been interpreted as a single continuous unit. Groundwater contours within a single hydrogeologic unit are generally indicative of lateral groundwater gradients and resultant flow patterns. However, groundwater elevation contours across the escarpment (the transition zone between the Guildford and Alluvial units) also incorporate a large component of vertical hydraulic gradients associated with topographic relief across this feature.

Table A below presents interpreted groundwater flow directions and gradients for the Regional Watertable, Base of Guildford Formation, Leederville Formation and Alluvial Formation. Hydraulic gradients were determined by comparing the groundwater levels at two wells screened in the same groundwater bearing zone. The difference between the upgradient and downgradient wells was then divided by the distance between the wells.

Table A: Groundwater Flow Direction and Gradient

Groundwater Bearing Zone	Flow Direction	Gradient (m/m)	Comment
Regional Watertable (Guildford Formation)	SW/SSW	3.0×10^{-3}	Average flow direction from site (MW22i) to top of Escarpment (MWG91A).
Base of Guildford Formation	SW	3.1×10^{-3}	Average flow direction from site (MW25) to top of Escarpment (MWG91C).
Alluvial Formation	SSW	2.8×10^{-3}	Average flow direction from bottom of Escarpment (MWG66) to Helena River (SG06)
Leederville Formation	SW/SSW	4.8×10^{-3}	Average flow direction from upgradient well (MW45) to top of Escarpment (MWG47)

Hydraulic gradients and flow directions in the Regional Watertable and Base of Guildford are similar. The overall direction of groundwater flow in the three groundwater bearing zones between the site and the Helena River is in a south-west to south south-west direction.

Calculated hydraulic gradients for the Regional Watertable and the Base of Guildford Formation were comparable to those previously calculated for the 2010 annual groundwater monitoring programme. The gradient for the Alluvial Formation was significantly lower to the gradient calculated in the 2010 annual groundwater monitoring programme. The calculated gradient for the Leederville Formation in 2011 was significantly lower than those calculated in 2009 (no gradient was calculated for the Leederville formation in 2010 due to a lack of data). The decrease in the hydraulic gradient is likely due to the decrease in seasonal rainfall over 2010 which has in turn resulted in a decrease in recharge into the Alluvial and Leederville Formations.

Table B outlines trends in groundwater flow direction by formation between 2005 and 2011. The 2011 results were generally consistent with these historical interpretations. However, there are changes to note over this time period within each formation. In April 2005, the Guildford Formation was examined as a single unit. From June 2007 onward, the Guildford Formation was divided into two areas of interest: Base of Guildford Formation and Regional Watertable which essentially describes the free groundwater surface within the Guildford Formation. In 2007 and 2008, the groundwater flow direction in the Regional Watertable and at the Base of the Guildford was interpreted as south-west, whereas in 2005 it was interpreted as south south-west.



By June 2007, new monitoring wells installed in the Alluvial Formation bordering the Helena River allowed interpretation of the groundwater flow in this unit beneath the Damplands.

The installation of a Permeable Reactive Barrier (PRB) in April 2010 in the Damplands may have altered the groundwater flow direction in some formations at a local scale. Results from 2011 suggest that groundwater flow direction is generally SW in all formations although flow direction in the Leederville and Regional formations appear to be impacted by the PRB resulting in a SSW to southerly flow near the PRB.

Table B: Groundwater Flow Directions by Formation between 2005 and 2011

Formation	Reporting Year and Groundwater Flow Direction					
	2005	2007	2008	2009	2010	2011
Guildford	SSW					
Regional		SW	SW	SW	SSW	SW/SSW
Base of Guildford		SW	SW	SW	SSW	SW
Leederville	SSW	SSW	SSW	SSW		SW/SSW
Alluvial		S	SSW	SSW	SSW	

5.1.2 Groundwater Velocities

Approximate groundwater velocities can be obtained from the Darcy equation:

$$v = \frac{Ki}{n_e}$$

where:

v = linear particle velocity (LT^{-1})

K = hydraulic conductivity (LT^{-1})

i = hydraulic gradient (LL^{-1})

n_e = effective porosity (L^3L^{-3})

Lateral hydraulic gradients are presented in Table A.

Representative hydraulic conductivity values were selected using the geometric mean for each groundwater bearing zone from slug tests conducted between 2005 and 2009. In 2005, hydraulic conductivity tests were undertaken at 29 monitoring wells (Golder, 2005) including two wells previously tested by URS. In 2008, hydraulic conductivity tests were conducted on an additional 14 new monitoring wells (Golder 2008a). The four hydraulic conductivity tests conducted in the Regional and Base of Guildford prior to 2005 were not considered in the calculations. The more recent tests provided a sufficiently large database of values and as a result, due to the limited data set collected prior to 2005, its exclusion does not alter the geometric mean hydraulic conductivities by more than 0.05 m/day.

Consistent with previous historical interpretations, an assumed effective porosity for the silty sand material which comprises the matrix of the Leederville and Guildford Formation of 0.3 was used in the groundwater velocity estimations. An effective porosity of 0.25 was assumed for the Alluvial Formation (Freeze and Cherry, 1979).

Table C provides estimates for groundwater flow velocities for the four units. The estimates for groundwater flow velocities of Regional Guildford, Base of Guildford, Alluvial and Leederville Formations are based on the results from prior hydraulic conductivity tests as presented in Golder (2008a).



Table C: Approximate Groundwater Velocities using May 2011 Hydraulic Gradients

Formation	Hydraulic Conductivity	Gradient	Effective Porosity	Velocity	
	(m/d)		(-)	(m/day)	(m/year)
Regional Guildford	0.2	3.0×10^{-3}	0.3	2×10^{-3}	1
Base of Guildford	2.3	3.1×10^{-3}	0.3	2.4×10^{-2}	9
Alluvial	2.8 ¹	2.8×10^{-3}	0.25	3.1×10^{-2}	11
Leederville	0.4	4.8×10^{-3}	0.3	6.4×10^{-3}	2

¹ Does not include results from the A series wells.

The above estimates for groundwater flow velocities are indicative only and were averaged over the estimated flow path. The groundwater velocities at the Base of Guildford formation, the Alluvial formation and the Leederville formation have decreased while the groundwater velocity of the Regional Guildford formation has remained stable at 1 m/year. Groundwater velocities in 2010 at the Base of Guildford formation, the Alluvial formation and the Leederville formation were previously 10 m/y, 20 m/y and 4 m/y, respectively.

5.1.3 Vertical Hydraulic Gradients

Information on vertical hydraulic gradients, including timing of measurements is available for the following inter-aquifer relationships:

- Regional Watertable - Base of Guildford Formation (Table 10A)
- Base of Guildford Formation - Leederville Formation (Table 10B), and
- Standing water in Helena River and the Alluvial Formation at the base of the escarpment (Table 10C).

No vertical gradient was measured between the Alluvial Formation and Guildford Formation as there were no paired wells to measure these aquifers in 2011. Historical information on this vertical gradient relationship has been previously reported (Table 9c, Golder 2010a). Monitoring well locations are shown in Figure 2. A summary of vertical hydraulic gradient information for the above relationships between May 2005 and July 2011 is presented in Table D below.



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Table D: Current and Historical Vertical Hydraulic Gradient Data

Formations	Examined Well Pairs			Gradient Range	Average Gradient	Historic Trend	2011 Trend
Regional Watertable to Base of Guildford	MW22i/MW25	MWG49/MWG48	MWG51/MWG50	-0.166 to 0.029	-0.002	Weak Downward	Weak Downward
	MWG57/MWG55	MWG59/MWG58	MWG72/MWG71				
	MWG81/MWG80	MWG84/MWG83	MWG91A/MWG91C				
	MWG70/MWG69						
Base of Guildford to Leederville	MWG46/MWG45	MWG48/MWG47	MWG75/MWG76	-0.128 to 0.012	-0.03	Weak Downward	Weak Downward
	MWG33/MWG56						
Alluvium to Base of Guildford	MWG74*/MWG73*	MWG79*/MWG78*		-0.015 to 0.043		Weak Downward	-
Damplands Pond to Alluvium	SG02/WCB02*	SG03/WCB08*		-0.091 to 0.018	-0.019	Weak Downward	-
Helena River to Alluvium	SG06/MW36	SG07/WCB04*	SG06/WCB05*	-0.064 to 0.928	0.212	Strong Upward	Moderate Downward

*historical vertical gradients, monitoring wells no longer exist



Within the Guildford Formation, between the Regional Watertable and the base of this formation, the vertical hydraulic gradients were generally considered weakly downward. The results from the most recent water level monitoring programme were consistent with a weakly downward gradient. The following vertical pairs were measured in 2011:

- Three well pairs exhibited a flat gradient (MW22i & MW25, MW51 & MW50, MWG91A & MWG91C and MWG70 & MWG69). Groundwater levels decreased at these wells by approximately 0.4 m since May 2010.
- A weakly downward gradient of -0.098 was observed between MWG49 (7.957 m AHD) and MWG48 (7.069 m AHD). The water level in MWG49 had increased by 0.5 m while the water level at MWG48 had decreased by 0.35 m since May 2010.

Overall, the dominant trend was still a flat to weakly downward hydraulic gradient which likely reflects drainage towards the Helena River valley and recharge from precipitation. It is likely that groundwater flow is predominantly lateral and it is unlikely that there is large vertical groundwater movement within the Guildford Formation.

Generally, flat to weakly downward gradients have been observed between the Base of Guildford and Leederville Formations. This indicates the study area is a potential zone of groundwater recharge. However, relatively lower hydraulic conductivities were observed at monitoring wells in the Leederville, suggesting that the upper part of the formation may be acting as a semi-confining unit.

The following vertical pairs were measured in 2011:

- A flat gradient of -0.001 was observed between MWG46 (8.321 m AHD) and MWG45 (8.314 m AHD). The water level in both wells had decreased by approximately 0.5 m compared to May 2010 levels.
- A flat gradient was observed between MWG48 (7.068 m AHD) and MWG47 (7.068 m AHD). The water level in both wells had decreased by approximately 0.4 m compared to May 2010 levels.

There were no paired wells measured in 2011 to compare vertical hydraulic gradient data between the:

- Alluvium and Base of Guildford formations. Historically, a weak downward gradient has existed between the Alluvial Formation and the Base of the Guildford Formation.
- Regional Watertable and Base of Guildford in the vicinity of the PRB. Historically, a weak to moderate downward gradient has existed between the Regional Watertable and the Base of the Guildford in the vicinity of the PRB.
- Base of Guildford and Leederville in the vicinity of the PRB. Historically, there was a strong downward gradient between the Base of the Guildford and Leederville Formations, indicating the potential for downward movement of groundwater in the vicinity of the PRB.
- Damplands Pond and Alluvium. Historically a downward hydraulic gradient has been observed between the seasonally standing water at the base of the escarpment (the "Damplands Pond") and the Alluvial Formation.

During the initial monitoring period in June 2011, there was no flow in the Helena River. There was heavy precipitation in June 2011 with approximately 143 mm of rain (BOM Climate Data - Perth Airport) and the Helena River was sampled and measured in July 2011. Historically, the vertical hydraulic gradient between the Helena River and Alluvial Formation has been a moderately upward trend. The paired locations MW36 and SG06 were an anomaly to this trend according to the 2010 and 2011 data. A strongly downward trend of -0.064 was observed between SG06 (6.607 m AHD) and MW36 (5.875 m AHD). This was most likely due to the heavy precipitation experienced during the winter months (June and July) which increased the water level in the river. This indicates that during periods of rainfall such as the winter months that the Helena River may be a losing stream and groundwater is less likely to be discharging into the river.



Seasonal changes in the groundwater regime appear to have an effect on vertical gradients within the Damplands and Helena River areas. In 2005, vertical gradients from the Alluvium to the Helena River were upward during the drier periods of summer and autumn indicating groundwater discharge to the river. However, monitoring during the wetter winter period showed a downward gradient indicating flow from the river to the Alluvial Formation consistent with higher urban runoff experienced during this time.

5.2 Water Quality Results

The following discussion summarises locations where key analytes were detected which were above the site-specific RBC and aquatic ecosystem criteria appropriate for each of the main land blocks within the study area.

Monitoring well locations where groundwater concentrations from the 2011 monitoring results exceeded the site-specific RBC are shown on Figure 5. Monitoring well locations where groundwater concentrations from the 2011 monitoring results exceeded the aquatic ecosystem screening criteria are shown in Figure 6.

5.2.1 Field Parameters

Field parameter results collected from each well sampled during the monitoring round are presented in Table 11. This table includes pH, ORP, temperature, EC and DO. The original field sheets are provided in Appendix B.

The pH over all locations ranged between 4.72 (MWG62, Damplands, Regional Watertable) and 7.70 (MWG56, Hanson, Base of Guildford). The pH at 28 of the 41 monitoring locations (68%) was found to be below 6 and therefore can be considered slightly acidic. These slightly acidic waters were identified in all five geologic formations. The greatest variations in pH in comparison to historical results were decreases in pH of 0.97 and 0.65 between MW03 (Shallow Perched Aquifer, site) and MWG64 (Regional Watertable, Hanson), respectively.

Sixteen wells had DO levels above 1.00 mg/L (MW01, MWG91B, MWG62, MWG91A, MWG70, MW28, MWG51, MW23i, MWG57, MWG49, MWG63, MWG54, MWG56, MWG59, MW05, and MW02) with the highest reading at MW02 (6.40 mg/L, Shallow Perched Aquifer, site). In comparison to 2010 results, DO levels increased significantly at three locations; MW02, MW05 and MWG59 with DO levels changes between 3.41 mg/L (MWG59) and 5.67 mg/L (MW02). Decreasing DO levels with a change greater than 0.20 mg/L were noted at 10 wells ranging from 0.20 mg/L change (MWG46) to 2.55 mg/L change (MW47). The dissolved oxygen levels in all three surface samples were above 5 mg/L, generally consistent with 2010 values.

The EC measured ranged from 235 $\mu\text{S}/\text{cm}$ (MW02, Shallow Perched Aquifer, site) to 3 230 $\mu\text{S}/\text{cm}$ (MWG45, Leederville Formation, Irwin Street). MW02, MW05 and MWG56 were the only wells to record EC less than 500 $\mu\text{S}/\text{cm}$. Generally, low conductivities indicate areas of high recharge, however, MWG56 is an exception as it is located in the Base of Guildford and therefore would not be anticipated to be influenced by recharge. Only one other EC measurement was collected at MWG56 in 2006 as this is not a commonly monitored well. In 2006, the EC was measured 2 580 $\mu\text{S}/\text{cm}$ indicating a drop in EC between 2006 and 2011.

Conductivities greater than 2000 $\mu\text{S}/\text{cm}$ were identified at:

- MW22i (site, Regional Watertable) – 2 003 $\mu\text{S}/\text{cm}$
- MWG45 (Upgradient, Leederville) – 3 230 $\mu\text{S}/\text{cm}$.



The on-site regional watertable well (MW22i) is located in an area which is sealed which prevent recharges. MWG45 is located upgradient and on an unsealed area indicating that recent recharge would be expected to influence the groundwater quality. EC at MWG45 in 2010 was also high (3 530 $\mu\text{S}/\text{cm}$) indicating that the Leederville aquifer may naturally exhibit a higher conductivity range in this area.

EC in the three samples from the Helena River ranged between 598 $\mu\text{S}/\text{cm}$ (SG07, upstream) and 608 $\mu\text{S}/\text{cm}$ (SG07, downstream). These values have decreased since monitoring in July 2010.

The ORP ranged from -67 mV (MWG66, Damplands, Alluvium) to 189 mV (MWG62, Damplands, Regional Watertable). Twelve of 41 sampling locations were noted as being less than 0 mV with all of them being only slightly reducing. Eight of these locations; MW21i, MW22i, MW23i, MW01, MW04, MW44, MWG51 and MWG64 have been previously identified as within the hydrocarbon plume where reducing conditions would be expected. Slightly reducing conditions within the hydrocarbon plume likely indicate that natural attenuation of the plume is occurring. The remaining four locations with negative ORP (MWG45, MWG56, MWG66 and MWG68) were located in the Damplands, upgradient of the site or outside of the hydrocarbon plume. Eleven of the 41 sampling locations had ORP readings between 0 mV and 100 mV and 18 of the 41 sampling locations had ORP greater than 100 mV which indicates oxidising conditions (EPA, 1998). Several of these locations with ORP greater than 100 mV (MW02, MW25, MW27, MW05 and MW03) are located either in the Base of the Guildford formation or in the Shallow Perched Aquifer beneath the site. The three surface sample locations had ORP ranging from 10 mV (SG05, downstream) to 61 mV (SG07, upstream).

5.2.2 Upgradient

Two upgradient monitoring wells MWG45 (Leederville) and MWG46 (Base of Guildford) both located on Irwin Street were sampled for background purposes. Both upgradient samples were analysed for suite 2 analytes. The complete results of the 2011 groundwater sampling for all locations upgradient are presented in Table 4, along with historical groundwater sampling results dating back to 2005.

5.2.2.1 RBC Exceedences

The results indicated all analytes were below RBC criteria.

5.2.2.2 Dissolved Metals

A number of metals were detected above the laboratory limit of reporting (LOR) but below relevant RBC (where applicable). Concentrations of aluminium, copper, manganese, nickel and zinc were found above LOR in both wells. Concentrations of arsenic and iron were found above the LOR in MWG45. Generally, metal concentrations were consistent with historical results. The exception was the concentration of iron at MWG46 which decreased from 0.01 mg/L in 2010 to <0.001 mg/L in 2011. The 2011 results were consistent with 2009 results at MWG46.

5.2.3 On-Site (former Waste Control site)

Samples were collected from the following four on-site monitoring wells:

- MW21i (Regional Watertable)
- MW22i (Regional Watertable)
- MW23i (Regional Watertable)
- MW25 (Base of Guildford)

All samples collected from the site were analysed for suite 2. The complete results of the 2011 groundwater sampling for all locations on the site are presented in Table 1 along with historical groundwater sampling results dating back to 2005.



5.2.3.1 RBC Exceedences

On-site groundwater results were compared against relevant RBC for the site and Lot 2. Table E below presents an overall summary of the analytes detected at concentrations above relevant RBC

Table E: Summary of On-Site Results above Relevant RBC

Location	Monitoring Zone	Analytes	2009 Conc. (mg/L)	2010 Conc. (mg/L)	2011 Conc. (mg/L)	Relevant RBC (mg/L)
MW21i	Regional Watertable	Arsenic	0.0014	0.0062	0.0039	0.00241
		Benzene	0.008	0.007	0.006	0.00274
		TPHs C ₁₀ -C ₁₄ Fraction	1.3	12	13	0.655
		Vinyl Bromide	0.0041	0.079	0.081	0.00113
MW22i	Regional Watertable	TPHs C ₁₀ -C ₁₄ Fraction	3.6	2.1	1.6	0.655
		1,2-Dichloroethane	0.003	0.003	0.002	0.00126
		Benzene	0.011	0.012	0.009	0.00274
MW23i	Regional Watertable	Arsenic	0.04	0.04	0.022	0.00241
		Benzene	0.005	0.005	0.003	0.00274

NS - Not sampled

In most cases, the concentration of the analytes identified above the relevant RBC was consistent with previous results or indicate a general decrease in contaminant concentrations on-site. The following contaminants have historically been above the relevant RBC but were identified in 2011 at concentrations below relevant RBC:

- arsenic at location MW22i (Regional Watertable)
- vinyl bromide and 1,2-dichloroethane at location MW23i (Regional Watertable).

5.2.3.2 Other Results

In addition to the contaminants listed in Table E, a number of additional analytes were detected above the laboratory LOR but below relevant RBC (where applicable). Generally, metals results were consistent with historical results with concentrations generally decreasing or remaining stable. Increases in metal concentrations with changes greater than 50% between 2010 and 2011 are provided below:

- concentrations of manganese (filtered) increased at MW23i (Regional Watertable) from 0.031 mg/L to 0.077 mg/L
- concentrations of nickel (filtered) increased at MW23i (Regional Watertable) and MW25 (Base of Guildford) from 0.031 mg/L to 0.077 mg/L and 0.001 mg/L to 0.012 mg/L, respectively
- concentrations of iron (filtered) increased at MW25 (Base of Guildford) from 0.023 mg/L to 0.25 mg/L
- concentrations of zinc (filtered) increased at MW25 (Base of Guildford) from 0.005 mg/L to 0.015 mg/L.

A number of additional organic compounds were also detected in samples collected from site. Generally, the results for these organics were consistent with historical results or have decreased in concentration. Analysis of TPH concentrations on the site suggests generally decreasing concentrations over the entire site. In addition, benzene concentrations in on-site wells have been noted to have decreased.



Noted increased concentrations (change in concentration >50%) of other analytes between 2010 and 2011 are provided below:

- vinyl chloride (VC) concentrations at MW21i (Regional Watertable) from <0.001 mg/L to 0.007 mg/L.

Many instances were noted where detections of certain analytes were noted for the first time during this sampling round due to lower laboratory LORs. These detections have been noted in cases where they exceeded the relevant RBC. There were no other noteworthy increases in VOCs or sVOCs from samples collected on-site. These results show an overall reduction in the concentration of VOCs in groundwater on-site.

5.2.4 Lot 2

Ten monitoring wells on Lot 2 were included as part of the 2011 annual groundwater monitoring programme:

- MW42 (Regional Watertable)
- MWG47 (Leederville)
- MWG48 (Base of Guildford)
- MWG49 (Regional Watertable)
- MWG54 (Regional Watertable)
- MWG57 (Regional Watertable)
- MWG59 (Regional Watertable)
- MWG91A (Regional Watertable)
- MWG91B (Middle of Guildford)
- MWG91C (Base of Guildford).

All samples collected from Lot 2 were analysed for suite 1. The complete results of the 2010 groundwater sampling for all locations on Lot 2 are presented in Table 2, along with historical groundwater sampling results dating back to 2005.



5.2.4.1 RBC Exceedences

Results for Lot 2 were compared against the relevant RBCs. Table F presents a summary of the locations where contaminants were detected above relevant RBC.

Table F: Summary of Lot 2 Results above Relevant RBC

Location	Monitoring Zone	Analyte	2009 Conc. (mg/L)	2010 Conc. (mg/L)	2011 Conc. (mg/L)	Relevant RBC (mg/L)
MWG48	Base of Guildford	Benzene	NA	0.015	0.006	0.00274
MWG49	Regional Watertable	Trichloroethene	0.049	0.025	0.051	0.0351
MWG57	Regional Watertable	Trichloroethene	0.77	0.46	0.4	0.0351
MWG59	Regional Watertable	1,2-Dichloroethane	0.003	0.005	0.005	0.00126
		Vinyl Bromide	0.0059	0.054	0.018	0.00113
MWG91A	Regional Watertable	Trichloroethene	0.029*	0.59	0.2	0.0351
MWG91B	Middle of Guildford	Trichloroethene	0.001*	0.23	0.047	0.0351

*indicates sample was from the interim monitoring programme in September 2009.

Concentrations of TCE that were reported above the relevant RBC in 2011 generally showed decreasing trends in wells at Lot 2 with the exception of:

- MWG49 (Regional Watertable) increased from 0.025 mg/L in 2010 to 0.051 mg/L in 2011, exceeding the relevant RBC. TCE concentrations at MWG49 (Regional Watertable) from 2011 were more consistent with results prior to 2010. Nevertheless, the TCE concentration remains much lower than post-installation in 2005 (0.44 mg/L).

Decreases in TCE concentration reported below the relevant RBC at Lot 2 were identified at the following wells:

- MW42 (Regional Watertable) decreased from 0.032 mg/L in 2010 to 0.018 mg/L in 2011
- MWG57 (Regional Watertable) decreased from 0.46 mg/L in 2010 to 0.4 mg/L in 2011
- MWG59 (Regional Watertable) decreased from 0.025 mg/L in 2010 to 0.019 mg/L in 2011
- MWG91A, MWG91B and MWG91C all reported lower concentrations of TCE compared to 2010 and 2011.

Slight increases in TCE concentration were noted at MWG48 (0.001 mg/L to 0.004 mg/L) and MWG54 (0.002 mg/L to 0.004 mg/L).

Vinyl bromide concentrations were below the laboratory LOR at all Lot 2 wells with the exception of MWG59 (Regional Watertable) where concentrations have generally decreased. Vinyl bromide was detected at MWG49 (Regional Watertable) at a concentration above the relevant RBC in 2010 but has since fallen below the laboratory LOR.

Concentrations of benzene at MWG48 (Base of Guildford) decreased from 0.015 mg/L in 2010 to 0.006 mg/L in 2011.



Concentrations of 1,2-dichloroethane were below the laboratory LOR at all wells in Lot 2 with the exception of MWG59 (Regional Watertable) where the concentrations were above the relevant RBC and have slightly increased since 2006.

5.2.4.2 Other Results

Concentrations of TPH C₆-C₉, C₁₅-C₂₈ and C₂₉-C₃₆ were generally below the laboratory LOR. Cases where TPH was detected indicated marginal increases in all cases. Comparisons of TPH concentrations between 2010 and 2011 where results were above the laboratory LOR are provided below:

- TPH C₆-C₉ concentrations at MWG49 (Regional Watertable) increased from <0.01 mg/L in 2010 to 0.01 mg/L in 2011
- TPH C₆-C₉ concentrations at MWG57 (Regional Watertable) remained stable between 2010 and 2011 at 0.14 mg/L
- TPH C₆-C₉, C₁₀-C₁₄ and C₁₅-C₂₈ concentrations at MWG59 (Regional Watertable) increased from below laboratory LOR to 0.02 mg/L, 0.06 mg/L and 0.09 mg/L, respectively
- Concentrations of TPH C₆-C₉ at MWG91A increased from <0.01 mg/L in 2010 to 0.05 mg/L in 2011
- Concentrations of TPH C₆-C₉ at MWG91B increased from <0.01 mg/L in 2010 to 0.02 mg/L in 2011

Concentrations of 1,1-dichloroethane (1,1-DCA) appear to have increased slightly at MWG48 (0.002 mg/L to 0.004 mg/L), MWG54 (<0.001 mg/L to 0.002 mg/L), MWG59 (0.013 mg/L to 0.023 mg/L) and MWG91A-C (0.001 mg/L to 0.002 mg/L).

A general increase was also noted of tetrachloroethene (PCE) concentrations at MWG48, MWG54, MWG57 and MWG91A-B. The most notable increases in concentrations of PCE appeared at MWG91A and MWG91B. PCE concentrations at MWG91A increased from 0.004 mg/L in 2010 to 0.01 mg/L in 2011. PCE concentrations at MWG91B increased from 0.005 mg/L in 2010 to 0.014 mg/L in 2011.

Concentrations of cis-1,2-dichloroethene (DCE) increased at MWG48, MWG59, MWG91A and MWG91B. The most notable increase occurred at MWG48 where concentrations increased from 0.007 mg/L in 2010 to 0.023 mg/L in 2011. The concentration of several contaminants, including DCA, 1,1-dichloroethene, cis- and trans-dibromoethene, cis-1,2-dibromoethene, DCE and trichlorofluoromethane, decreased at MWG48 between 2010 and 2011.

5.2.5 Southwest Industrial Area

Samples were collected from the following three monitoring wells in the Southwest Industrial Area:

- MWG65 (Regional Watertable)
- MWG69 (Base of Guildford)
- MWG70 (Regional Watertable).

All samples were analysed for suite 1. The complete results of the 2011 annual groundwater monitoring programme for all locations on the Southwest Industrial Area are presented in Table 3, along with historical groundwater sampling results dating back to 2005.



5.2.5.1 RBC Exceedences

Results for the Southwest Industrial Area were compared against the relevant RBC. Table G presents an overall summary of the analytes detected at concentrations above relevant RBC as well as the sample location and relevant monitoring zone.

Table G: Summary of Southwest Industrial Area Results above Relevant RBC

Location	Monitoring Zone	Analyte	2009 Conc. (mg/L)	2010 Conc. (mg/L)	2010 Conc. (mg/L)	Relevant RBC (mg/L)
MWG70	Regional Watertable	Trichloroethene	0.24	0.13	0.065	0.0351

TCE concentrations at MWG70 (Regional Watertable) have steadily decreased since 2008.

5.2.5.2 Other Results

Generally, results for other analytes were below the laboratory LOR. Noted changes are presented below:

- Slight increase of PCE and slight decreases of cis- and trans-1,2-dibromoethene, chloroform cis-1,2-DBE, cis-1,2-DCE and trichlorofluoromethane at MWG65 (Regional Watertable).
- Slight increases of PCE and trichlorofluoromethane at MWG70 (Regional Watertable).

5.2.6 Hanson

One sample was collected from the Hanson property:

- MWG64 (Guildford).

This sample was analysed for suite 2. The complete results of the 2011 groundwater sampling on the Hanson Property are presented in Table 5, along with historical groundwater sampling results dating back to 2005.

5.2.6.1 RBC Exceedences

Results for the Hanson Property sample were compared against the relevant RBC. A summary of the contaminants identified at concentrations above RBC is presented in Table H.

Table H: Summary of Hanson Property Results above Relevant RBC

Location	Monitoring Zone	Analyte	2009 Conc. (mg/L)	2010 Conc. (mg/L)	2011 Conc. (mg/L)	Relevant RBC (mg/L)
MWG64	Regional Watertable	Arsenic	0.011*	0.07	0.057	0.00241
		Vinyl bromide	<0.0001*	<0.0001	0.012	0.00113

*indicates sample was from the interim monitoring programme in September 2009.

Concentrations of arsenic at MWG64 have historically been above the relevant RBC. The concentration of vinyl bromide detected in 2011 was similar to the result obtained 2006 although no concentrations above the laboratory LOR were noted between 2006 and 2011.



5.2.6.2 Other Results

Generally, there was little variation in concentrations at MWG64 as compared to previous annual sampling events.

5.2.7 Damplands

Samples were collected from 6 locations in the Damplands during the 2011 annual groundwater monitoring programme:

- MW36 (Alluvium)
- MWG60 (Alluvium)
- MWG62 (Regional Watertable)
- MWG63 (Regional Watertable)
- MWG66 (Alluvium)
- MWG68 (Alluvium).

All wells were analysed for suite 3. The complete results of the 2011 groundwater sampling for all locations in the Damplands are presented in Table 6, along with historical groundwater sampling results dating back to 2005.

5.2.7.1 RBC Exceedences

Results for the Damplands were compared against both the health RBC for the Damplands and Aquatic Ecosystem Screening Criteria as discussed in Section 4.0. In all cases, the Aquatic Ecosystem Screening Criteria were the lesser and therefore they represent the relevant RBC.

Table I presents a summary of the locations where contaminants were detected above relevant RBC in 2011.

Table I: Summary of Damplands Results Above Relevant RBC

Location	Relation to PRB	Monitoring Zone	Analyte	2009 Conc. (mg/L)	2010 Conc. (mg/L)	2011 Conc. (mg/L)	Relevant RBC or Screening Criteria (mg/L)
MW36	Downgradient	Alluvium	Iron	17	16	17	0.3
			Zinc	0.002	0.002	0.037	0.008
MWG60	Downgradient	Alluvium	Iron	2	1.3	1.7	0.3
MWG62	Upgradient	Regional Watertable	Chromium	0.001	<0.001	0.001	0.001
			Copper	<0.001	0.001	0.003	0.0014
			Zinc	0.33*	0.009	0.045	0.008
MWG63	Upgradient	Regional Watertable	Nitrate (as N)	17	18	15	7
			Chromium	0.011*	<0.001	0.001	0.001
			Copper	0.006*	<0.001	0.002	0.0014
			Trichloroethene	0.056	0.42	0.56	0.33
			Zinc	0.27*	0.01	0.026 ⁺	0.008
MWG66	Downgradient	Alluvium	Iron	1.4	1.1	3	0.3
MWG68	Cross-gradient	Alluvium	Iron	1.2	0.71	0.68	0.3

* sample was from the interim monitoring programme in September 2009.

⁺ zinc results may not be representative based on differences in RPD between primary and duplicate samples



Concentrations of nitrate (as N) and aluminium at MWG62 (Regional Watertable) decreased in 2011 to below the Aquatic Ecosystem Screening Criteria.

Concentrations of zinc increased at MW36 with concentrations above the relevant RBC for the first time at this location in 2011. Concentrations of copper and iron at MWG62 and MWG66, respectively were higher in 2011 compared to 2009 and 2010.

The increase in TCE concentration at MWG63 in 2010 has seen the concentration remain at levels above RBC in 2011 and is consistent with results prior to the 2009 monitoring. Nevertheless, MWG63 is located upgradient of the PRB system and therefore it is not considered by Golder to pose a risk to receptors.

5.2.7.2 Other Results

The following metal results were noted:

- Concentrations of nitrate (as N) and iron have decreased at MWG62 and MWG63.
- The concentration of aluminium decreased at all sampled Dampland locations.
- Nickel concentrations increased slightly at MW36, MWG62 and MWG63.
- Concentrations of manganese decreased slightly at MWG62, MWG63 and MWG68.
- Detections of cis-1,2-dichloroethene at MWG60 increased slightly from 0.0043 mg/L to 0.006 mg/L in accord with a continued increase in concentration since 2006.
- Concentrations of TPH C₆-C₉ fraction were detected at MWG62 for the first time in 2011 and have increased slightly at MWG63 from 0.09 mg/L in 2010 to 0.16 mg/L in 2011.
- Trichloroethene (TCE) concentrations at MWG62 have increased from 0.007 mg/L in 2010 to 0.082 mg/L in 2011.
- Slight increases in concentrations of PCE and trichlorofluoromethane were noted at MWG63.

5.2.8 Additional Wells

Twelve additional wells were sampled during the 2011 annual groundwater monitoring programme compared to 2009 and 2010 groundwater monitoring programmes:

- | | |
|--|---|
| ■ MW01 (Site, Shallow Perched Aquifer) | ■ MW32 (Hanson, Shallow Perched Aquifer) |
| ■ MW02 (Site, Shallow Perched Aquifer) | ■ MW44 (Site, Shallow Perched Aquifer) |
| ■ MW03 (Site, Shallow Perched Aquifer) | ■ MWG50 (Southwest Industrial, Base of Guildford) |
| ■ MW04 (Site, Shallow Perched Aquifer) | ■ MWG51 (Southwest Industrial, Regional Watertable) |
| ■ MW05 (Site, Shallow Perched Aquifer) | ■ MWG 56 (Hanson, Base of Guildford) |
| ■ MW27 (Site, Base of Guildford) | |
| ■ MW28 (Site, Shallow Perched Aquifer) | |

All samples were analysed for Suite 2 analytes. The complete results of the 2011 groundwater sampling for all locations on the site are presented in Table 8 along with historical groundwater sampling results dating back to 2001.



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5.2.8.1 RBC Exceedences

Results for the additional wells were compared against the relevant RBC. A summary of the contaminants identified at concentrations above RBC is presented along with the most recent historical results in Table J.

Table J: Summary of RBC Exceedences in the Additional Wells

Location	Monitoring Zone	Analytes	Historical Concentrations (mg/L)		2011 Conc. (mg/L)	Relevant RBC (mg/L)
On-Site						
MW01	Shallow Perched Aquifer	Arsenic	0.023 (2001)	0.011 (2003)	0.0062	0.00241
		Benzene	0.012 (June 2004)	<1 (Sept 2004)	0.003	0.00274
		TPHs C ₁₀ -C ₁₄ Fraction	16.4 (June 2004)	6.19 (Sept 2004)	6.7	0.655
MW04	Shallow Perched Aquifer	Arsenic	0.008 (2003)	0.029 (2005)	0.0067	0.00241
		1,4-Dichlorobenzene	0.138 (2004)	0.06 (2005)	0.021	0.00373
		1,2,4-trimethylbenzene	69.4 (2004)	1.4 (2005)	2.2	2.11
		Benzene	0.06 (2004)	0.051 (2005)	0.036	0.00274
		Toluene	69.3 (2004)	57 (2005)	68	28.8
		TPHs C ₁₀ -C ₁₄ Fraction	92.8 (2004)	24 (2005)	50	0.655
		1,2-Dichloroethane	0.023 (2004)	0.033 (2005)	0.02	0.00126
		Cis-1,2-Dichloroethene	2.06 (2004)	1.6 (2005)	6.4	3.17
		Trichloroethene	1.28 (2004)	0.24 (2005)	0.18	0.0351
MW28	Shallow Perched Aquifer	1,2-Dichloroethane	0.074 (2003)	0.004 (2006)	0.03	0.00126
		Trichloroethene	0.419 (2003)	0.04 (2006)	0.11	0.0351
		Vinyl bromide	-	-	0.042	0.00113
MW44	Shallow Perched Aquifer	Arsenic (Filtered)	-	0.005 (2003)	0.012	0.00241
		Benzene	0.028 (June 2004)	<1 (Sept 2004)	0.04	0.00274
		Toluene	57.5 (June 2004)	94.2 (Sept 2004)	65	28.8
		TPHs C ₁₀ -C ₁₄ Fraction	78.5 (June 2004)	57.4 (Sept 2004)	6.6	0.00274
		1,2-Dichloroethane	<0.01 (June 2004)	<1 (Sept 2004)	0.006	0.00126
		Dichloromethane	-	-	0.05	0.25
		Trichloroethene	<0.2 (June 2004)	<1 (Sept 2004)	0.063	0.0351
Hanson Property						
MWG32	Shallow Perched Aquifer	Arsenic	0.002 (2003)	0.018 (2006)	0.0026	0.00241
		TPHs C ₁₀ -C ₁₄ Fraction	1.34 (2003)	1.6 (2006)	1.1	0.655
		1,2-Dichloroethane	0.003 (2003)	0.001 (2006)	0.006	0.00126
		Trichloroethene	0.035 (2003)	0.036 (2006)	0.099	0.0351
		Vinyl bromide	-	0.032 (2006)	0.016	0.00113



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Location	Monitoring Zone	Analytes	Historical Concentrations (mg/L)		2011 Conc. (mg/L)	Relevant RBC (mg/L)
Southwest Industrial Complex						
MWG51	Regional Watertable	Arsenic (filtered)	0.0012 (2008)	<0.0005 (2009)	0.0027	0.00241
		Vinyl bromide	0.0017 (2006)	<0.0001 (2009)	0.0038	0.00113

Results from the additional wells were compared to historical results and the following trends were noted:

- Arsenic, benzene and TPHs C₁₀-C₁₄ fraction concentrations at MW01 (Shallow Perched Aquifer) have steadily decreased since 2001.
- Concentrations of detected analytes at MW04 have generally shown decreasing or stable trends with the exception of cis-1,2-dichloroethene, which increased to above the relevant RBC in 2011.
- Analysis for vinyl bromide at MW28 (Shallow Perched Aquifer) had never previously been conducted. Results from 2011 indicate an exceedence of the relevant RBC.
- Concentrations of TPHs C₁₀-C₁₄ fraction in MW44 (Shallow Perched Aquifer) have generally decreased since 2003. All other analytes at MW44 where exceedences of the RBC were noted have either remained stable or no trends were apparent.
- Analysis for dichloromethane at MW44 (Shallow Perched Aquifer) had never previously been conducted. Results from 2011 indicate an exceedence of the relevant RBC.
- A detection of VC was noted at MW44 (Shallow Perched Aquifer). This new detection is likely related to lower laboratory reporting limits due to improved analytical techniques. VC concentrations at MW44 remained below the relevant RBC.
- Concentrations of contaminants at MW32 generally appear to be remaining stable or decreasing with the exception of TCE which appears to be increasing in concentration.
- Concentrations of arsenic and vinyl bromide at MWG51 (Regional Watertable) exceeded the relevant RBC in 2011. Vinyl bromide concentrations in 2011 were higher than in previous years but arsenic was detected at a concentration of 0.004 mg/L in 2005; comparable to 2011 results.

The following contaminants have historically been above the relevant RBC but were identified in 2011 at concentrations below the relevant RBC:

- 1,4-dichlorobenzene at MW01 (Shallow Perched Aquifer)
- chloroform, dichloromethane and PCE at MW04 (Shallow Perched Aquifer)
- benzene and TPH C₁₀-C₁₄ at MW28 (Shallow Perched Aquifer)
- arsenic, TPH C₁₀-C₁₄, 1,2-dichloroethane, TCE and vinyl bromide at MWG32 (Shallow Perched Aquifer)
- 1,2,4-trimethylbenzene, chloroform, PCE and xylenes (sum of m, p & o) at MW44 (Shallow Perched Aquifer).



5.2.8.2 Other Results

Comparison of 2011 results identified below the relevant RBC were compared to historical results. Results of this comparison are presented below:

- Concentrations of all contaminants at MW01 remained stable or decreased in 2011.
- Concentrations of all contaminants at MW02 remained stable or decreased in 2011.
- Concentrations of copper, iron, manganese and zinc increased slightly at MW03 compared to 2003 results. Concentrations of all other analytes at MW03 either remained stable or decreased in 2011.
- Concentrations of metals and VOCs generally decreased at MW04 in 2011. Concentrations of MAHs appeared to increase in 2011.
- Concentrations of TPHs C₆-C₉, cis-1,2-dibromoethene and PCE in 2011 at MW05 showed significant decreases compared to 2004 results. Concentrations of all other contaminants at MW05 remained stable or decreased in 2011.
- Generally, concentrations of contaminants were below the laboratory LOR at MW27. Detections were noted of iron, manganese and zinc. Arsenic was detected in previous rounds but fell below the laboratory LOR in 2011. Zinc concentration at MW27 (Base of Guildford) increased from 0.0059 mg/L in 2006 to 0.02 mg/L in 2011. Other detections were consistent with previous rounds.
- Concentrations of contaminants at MW28 in 2011 were either consistent with previous rounds or decreased. Exceptions include an increase of PCE from 0.069 mg/L in 2006 to 0.22 mg/L in 2011 and an increase in trichlorofluoromethane from 0.014 mg/L in 2006 to 0.069 mg/L in 2011.
- Analytical results at MW44 in 2011 suggested decreasing or stable concentrations. New detections of some analytes were noted due to a low laboratory LOR compared to previous rounds. These detections were below the relevant RBC (if available).
- Arsenic, iron, lead and nickel concentrations at MWG50 decreased between 2006 and 2011. New detections of benzene and toluene were noted for the first time at MWG50. These detections were below the relevant RBC.
- Concentrations of copper and iron, DCE and TCE at MWG51 increased from previous sampling rounds. Concentrations of TPHs C₆-C₉, TPHs C₁₀-C₁₄, and TPHs C₁₅-C₂₈ decreased at MWG51 between 2009 and 2011. Increases in concentrations of VOCS were noted in several instances at MWG51, most notably for cis-1,2-DCE, TCE and vinyl bromide.
- Generally, metals concentrations decreased at MWG32 with the exception of manganese (filtered) which increased from 0.028 mg/L in 2006 to 0.13 mg/L in 2011. Many MAH and VOC compounds increased in concentration at MWG32 between 2006 and 2011, most notably for ethylbenzene, xylenes (m, p & o), 1,2-DCA, chloroform, PCE, trans-1,2-dibromoethene and 1,2,2-tribromoethene. Decreases in concentrations of MAHs and VOCs at MWG32 were also noted, most notably for tert-butylbenzene, 1,1-DCA and cis-1,2,DBE.
- Increases were noted in concentrations of aluminium, arsenic, chromium and copper while decreases were noted for iron, manganese, nickel and zinc. Results for other analytes were generally below the laboratory LOR, consistent with samples collected in 2006.



5.2.9 Helena River

Samples were collected from three locations in the Helena River in July 2011:

- SG05 (Downstream)
- SG06 (Midstream)
- SG07 (Upstream).

All wells were analysed for suite 3. The complete results of the 2011 groundwater sampling for all locations in the Helena River are presented in Table 7, along with historical groundwater sampling results dating back to 2008.

5.2.9.1 RBC Exceedences

Results for the Helena River were compared to the Helena River RBC and the Aquatic Ecosystem Screening Criteria as discussed in Section 4.0.

Table K presents a summary of the locations where contaminants were detected above relevant RBC.

Table K: Summary of RBC Exceedences for the Helena River

Location	Analyte	2009 Conc. (mg/L)	2010 Conc. (mg/L)	2011 Conc. (mg/L)	Relevant RBC or Screening Criteria (mg/L)
SG05 (Downstream)	Iron	21	1.1	0.32	0.3 - Aquatic Screening Criteria
	Zinc	0.055	0.002	0.017 ⁺	0.008 - Aquatic Screening Criteria
SG06 (Midstream)	Copper	0.0007	0.001	0.003	0.0014 - Aquatic Screening Criteria
	Iron	38	1.1	0.31	0.3 - Aquatic Screening Criteria
	Zinc	0.007	0.004	0.027 ⁺	0.008 - Aquatic Screening Criteria
SG07 (Upstream)	Copper	NS	0.001	0.018	0.0014 - Aquatic Screening Criteria
	Zinc	NS	0.002	0.022 ⁺	0.008 - Aquatic Screening Criteria

⁺ zinc results may not be representative based on differences in RPD between primary and duplicate samples

The concentration of aluminium decreased to below the relevant RBC across all locations in 2011. Concentrations of zinc increased to above the relevant RBC across all locations in 2011. Iron concentrations at GW07 (upstream) dropped below the relevant RBC in 2011 and decreased at SG05 and SG06 as well but remained above the relevant RBC. Copper concentrations increased to above the relevant RBC at SG06 and SG07 in 2011.

5.2.9.2 Other Results

Manganese concentrations decreased across all locations in 2011. The largest decrease of manganese was at SG07 which recorded 0.011 mg/L in 2011 compared to 0.031 mg/L in 2010.

Nitrate (as N) concentrations increased at SG05 but decreased at SG06 and SG07. The duplicate sample at SG05 suggested a much lower nitrate (as N) concentration (0.83 mg/L in the primary sample compared to 0.03 mg/L in the duplicate sample), therefore the higher nitrate (as N) concentration identified in the downstream sample is not considered to be representative. Nitrate (as N) concentrations at all locations were below the relevant RBC.



6.0 SUMMARY OF PRB ANALYTICAL RESULTS

A total of 43 monitoring wells located in the vicinity of the PRB system were sampled during the fourth PRB quarterly monitoring event in June 2011 (Golder, 2011a). The monitoring objectives of the long-term groundwater sampling programme were to evaluate the direction of groundwater flow in the vicinity of the sequenced PRB system and monitor changes in contaminant distribution (if any), with a particular focus on improvement in the groundwater quality downgradient of the sequenced PRB system (Golder 2011a).

The fourth quarterly monitoring event (Golder, 2011a) suggested an overall decrease in groundwater levels across the PRB system compared to the previous sampling event. Groundwater mounding upgradient of the ZVI PRB decreased based on the June water level data.

Results from the first, second, third and fourth round (Golder 2011c, 2011d and 2011e and 2011a, respectively) of long-term PRB monitoring at the site can be summarised as follows:

- Concentrations of contaminants of concern in the D-series wells³ were not above RBC, suggesting underflow is not occurring and additional investigations as per the Sampling and Analysis Plan (SAP) are not required.
- Results indicate that the denitrification PRB is generally removing concentrations of nitrate (as N). Further sampling for nitrate (as N) is recommended during the next quarterly round at downgradient wells to confirm that the high downgradient concentration of nitrate (as N) reported in this round was not representative of downgradient conditions. Sampling of the pond water is recommended during the next monitoring round to assess whether the high nitrate concentrations in groundwater noted in this round were due to contributions from the pond water.
- Results indicate that the PRB remediation system is reducing concentrations of TCE in groundwater.
- Results indicate that the degradation of TCE within the system is incomplete, as VC at some downgradient locations is being observed at concentrations above RBC.
- TOC concentrations have continued to decrease along the centreline of the PRB system, indicating available carbon sources are being degraded. This suggests that microbial activity is occurring in the denitrification PRB and the ZVI PRB.
- Concentrations of p-isopropyltoluene and toluene above RBC appear to be limited to the denitrification PRB and isolated to monitoring wells MWG101A, B and C. A detection of toluene above the relevant RBC was also detected at MWG114; a newly installed well.
- Concentrations of cis 1,2-DCE were detected above LORs in monitoring wells MWG60 and MWG66.
- Concentrations of TCE, VC, 1,1-DCA, 1,1-DCE, cis- and trans- 1,2-dibromoethene, cis-1,2-dibromoethene and trans-1,2-dibromoethene were also detected above LORs in MWG66. Concentrations of these detected compounds were either new detections or increased concentrations compared to previous monitoring rounds.
- It is possible that particles within the ZVI PRB wall may have become coated with carbon and iron precipitates which may be reducing the permeability and reactivity of the ZVI PRB. This was further supported by further investigations into the chemical properties in the ZVI PRB which were conducted and are presented in Golder 2011f.

³ Multi-level wells have been given an alphabetic notation (A, B, C or D) to represent the monitoring location depth with A being the shallowest and D the deepest.



7.0 QUALITY ASSURANCE AND QUALITY CONTROL

As per the requirements of the SAP (Golder, 2010), the following field QA/QC was conducted:

- Equipment wash blanks were collected each day on the QED submersible pump that was used. The equipment wash blanks were analysed for the same analysis as that performed at wells sampled during the day to assess quality of decontamination techniques.
- As the sampling included highly volatile compounds, the QA/QC programme included the submission of one trip blank during each day. The trip blank was analysed for VOCs and BTEX.
- A field blank (also known as a container blank) was collected on 27 June 2011. The field blank contained laboratory grade distilled water provided by Leeder and analysed for Suite 1 analytes.
- Three field duplicates were taken during groundwater sampling and two field triplicates were collected during the 2011 annual groundwater monitoring programme.
- Waste groundwater generated from the monitoring programme was collected in 205 L drums provided by Kenwick drums and were temporarily stored on the site. These drums were labelled with the source of waste and likely contaminants, characterised and disposed of by Western Resource Recovery on 29 July 2011.

The following sections describe the calibration procedures implemented during the 2011 annual groundwater monitoring programme, results from analysis of laboratory QA/QC data, comparison of field and laboratory duplicate samples to primary samples, and a summary of field blank, trip blank and wash blank detections.

7.1 Field Testing

Water quality meters used for field parameter measurement during the 2011 groundwater monitoring programme were calibrated by the supplier (Airmet Scientific) prior to shipment and at least weekly. The calibration certificates are included at the end of Appendix C. The calibration (pH and conductivity) of the water quality meter was checked twice-daily (before commencing work and at the end of the day) during the field programme to ensure the calibrations were accurate. These results are presented in Table 12.

Golder considers a range of pH 3.7-4.3 for pH 4 and a range of 6.7-7.3 for pH 7 as indicating acceptable meter calibration. The greatest pH deviation from the pH 4 solution occurred on 30 June 2011 (reading of 4.37). The greatest pH deviation from the pH 7 solution also occurred on 30 June 2011 (reading of 7.34). Both of these deviations fell just outside the acceptable range. The pH solutions were changed on 30 June 2011 and the water quality meter was recalibrated the following morning. Nevertheless, readings from this sampling event were consistent with previous sampling events; therefore the high pH readings during the calibration check are not considered to affect the outcomes of the investigation. Overall, the pH calibration was considered satisfactory for the purpose of this investigation.

A range of 2.48 to 3.04 mS/cm is considered acceptable for the 2.76 mS/cm standard conductivity solution used during this investigation based on 10% deviation from the standard concentration. All conductivity readings were noted to be within this acceptable range.



7.2 Holding Times

7.2.1 Primary Laboratory (Leeder)

Analytical reports were reviewed to assess whether holding times were met for the analytes reported. Samples were shipped overnight to Leeder in Melbourne and data associated with Leeder analytical reports indicated that all samples were extracted and analysed within two days upon arrival at the laboratory. Therefore, samples were extracted and/or analysed within 48 hours of sampling, complying with acceptable holding times for the various analytes.

7.2.2 Secondary Laboratory (ALS)

Analytical reports were reviewed to assess whether holding times were met for analytes reported. All samples were extracted and analysed 2 days following the sampling date, indicating all samples complied with the acceptable holding times for the various analytes.

7.3 Field Duplicates

Three field duplicates were taken during groundwater sampling and two field triplicates were collected during the 2011 annual groundwater monitoring programme. The duplicates were taken from three locations; a well on the site which is known to be contaminated (MW22i), a well on the adjacent Lot 2 property (MW42) and a surface water sample at SG05 (Helena River, Downstream). Triplicate samples were collected from MW22i and MW42. The field duplicate and triplicate results are presented in Table 14.

A comparison between duplicate sample results can be conducted using a Relative Percentage Difference (RPD) to analyse the duplicate samples. This is a measure of the difference between the primary and duplicate samples as a percentage of their average value. RPDs are calculated according to the following formula:

$$\% \text{RPD} = \frac{|A - B|}{\frac{A + B}{2}} \times 200$$

Where:

A is the concentration of the primary laboratory analyte, and

B is the corresponding duplicate result.

In calculating RPD values, the following protocols have been adopted:

- Where both concentrations are below limits of reporting (LOR), no RPD is calculated and a nominal value of less than 50% is assigned.
- Where one laboratory concentration is below the LOR and one is above, a value of one half of the detection limit is substituted for the non-detect sample.
- Where both concentrations were above laboratory LOR, the RPD was calculated as per the formula above.

The Australian Standard (AS 4482.1) indicates RPDs of less than 50% are considered to be satisfactory for soil analyses. RPDs greater than 50% may be acceptable for a) organic analyses and b) low concentrations where the difference in concentrations was <10 times the method LOR. This standard has also been adopted in the review of groundwater samples for this investigation.



7.3.1 Primary Laboratory (Leeder)

Field duplicates sent for analyses at the same laboratory were submitted as 'blind' duplicates, i.e. the laboratory was not aware that the two samples came from the same location. This provides a measure of the reproducibility of results received from the laboratory.

No RPDs greater than 50% were noted during the comparison of the primary and duplicate samples from MW42 (Lot 2). Thus, Golder considers these results acceptable for the purposes of this investigation.

Comparison of the primary and duplicate samples from MW22i (on-site well) showed that RPDs greater than 50% occurred for four analytes; aluminium, zinc, trans-1,2-dichloroethene and VC. Of these exceedences, one set of results, zinc, had a difference between results above ten times the laboratory LOR (RPD=138%). The primary and duplicate samples from SG05 (River) were also noted to have a high variability (although within ten times the LOR). Both primary samples were measured at higher concentrations than the duplicates and were above the Aquatic Ecosystem Screening Criteria (0.008 mg/L) while the secondary result was equal or below the Aquatic Ecosystem Screening Criteria. The Aquatic Ecosystem Screening Criteria is only used in Dampland wells and surface samples collected from the Helena River, It is therefore possible that zinc concentrations for these locations were over or underestimated in 2011, therefore, results may not be representative of actual zinc concentrations. It is unknown why zinc concentrations were so variable at site but this may have been due to natural groundwater heterogeneity. This QA/QC divergence has been reflected in the relevant results sections of this report.

Two RPD exceedences were noted when comparing primary and duplicate samples at SG05 (downstream). Of these, one was found to have a difference above ten times the laboratory LOR (Nitrate (as N)) with an RPD difference of 186%. Significant spatial variability in nitrate concentrations in a flowing surface water body is not uncommon as there is inherently high heterogeneity present due to rapid microbiological transformation and ecological nutrient cycling. The results from the primary and duplicate samples were well below the Aquatic Ecosystem Screening Criteria (7 mg/L). Only one exceedence of this criteria was noted during this investigation at MWG63 (Damplands well). Results were comparable to results from previous years; therefore, Golder does not believe this exceedence will impact the findings of this investigation.

In general, comparison of primary and duplicate results complied with the adopted protocols. All other intra-laboratory testing did not highlight any significant issues with the quality of the data.

7.3.2 Secondary Laboratory (ALS)

Two field triplicate samples, MW22i (site, Regional Watertable) and MW42 (Lot 2, Regional Watertable) were submitted to both Leeder and the secondary laboratory, ALS. The results from a comparison of the primary and triplicate samples are provided below. The comparison was made to assess the variability in results between laboratories.

At MW22i (site, Regional Watertable), forty-six analytes were found to have RPDs greater than 50%. Of these, thirty-nine were due to differences in LOR between laboratories. As the LORs were generally below the relevant criteria, these results were not considered to affect the outcomes of this investigation. Four of the remaining RPD exceedences had the difference between analytes as less than ten times the LOR. Therefore, the data quality was not considered to adversely affect the outcomes of this investigation.

Three analytes at MW22i had an RPD exceedence where the difference between both analytes was greater than ten times the LOR. TPH C₆-C₉ and TPH C₁₅-C₂₈ had an exceedence value of RPD=156% and RPD=99%, respectively. The secondary laboratory (ALS) recorded the larger of the two values at 0.9 mg/L and 1.27 mg/L for TPH C₆-C₉ and TPH C₁₅-C₂₈. The RBC for the Site and Lot 2 identifies 1920 mg/L as the level for TPH C₆-C₉ and 9.82 mg/L as the level for TPH C₁₅-C₂₈. All TPH C₆-C₉ and TPH C₁₅-C₂₈ concentrations for wells at the site were below these criteria levels and therefore, the data quality was not considered to adversely affect the outcomes of the investigation.

At MW42 (Lot 2, Regional Watertable), sixty-one analytes were found to have RPDs greater than 50%. Of these, fifty-four were due to differences in LOR between laboratories. As the LORs were generally below the relevant criteria, these results were not considered to affect the outcomes of this investigation. Six of the



remaining RPD exceedences had the difference between analytes as less than ten times the LOR. Therefore, the data quality was not considered to adversely affect the outcomes of this investigation.

One analyte at MW42 had an RPD exceedence where the difference between both analytes was greater than ten times the LOR. TPHC6-C9 had an exceedence value of RPD=186%. The secondary laboratory (ALS) recorded the larger of the two values at 0.14 mg/L. The RBC for the Site and Lot 2 identifies 1920 mg/L as the level for TPH C₆-C₉. All TPH C₆-C₉ and TPH C₁₅-C₂₈ concentrations for wells at the site were below these criteria levels and therefore, the data quality was not considered to adversely affect the outcomes of the investigation.

In general, inter-laboratory testing did not highlight any major issues with the quality of the data.

7.4 Laboratory Duplicates

7.4.1 Primary Laboratory (Leeder)

A total of eleven laboratory duplicates were analysed by Leeder over the duration of the investigation (one per batch). The laboratory duplicates were analysed for a range of analytes. The comparison between duplicate sample results has been assessed by using a RPD calculation as described in Section 7.3.

The laboratory duplicate samples were randomly spread across the study area and across the different formations. One of the laboratory duplicates was located at an upgradient monitoring well, MWG46 (Base of Guildford). Three duplicates were located at Lot 2; MWG57 (Regional Watertable), a wash blank between MWG54 (Regional Watertable) and MWG42 (Regional Watertable) and MW49 (Regional Watertable). Two of the duplicates were located in the Damplands; MWG63 (Regional Watertable) and MWG60 (Alluvium). Three of the duplicates was located on-site; MW02 (Shallow Perched Aquifer), MW05 (Shallow Perched Aquifer) and MW22i (Regional Watertable). Two of the duplicates were located in the Southwest Industrial Area; MWG70 (Regional Watertable) and MWG50 (Base of Guildford).

All eleven laboratory duplicate samples did not have RPDs greater than 50%, indicating satisfactory agreement between results and acceptable internal laboratory reproducibility of results.

Laboratory duplicates were also run on spike recoveries as part of the laboratories internal QA/QC testing regime. None of these duplicate results had RPDs exceeding 50%.

7.4.2 Secondary Laboratory (ALS)

The acceptable range that is adopted by ALS states that for samples with concentrations less than ten times the LOR, no acceptable RPD range is applied, for samples with concentrations between ten and twenty times the LOR an acceptable range of 0 to 50% is applied and for samples with concentrations greater than twenty times the LOR an acceptable range of 0 to 20% is applied.

All ALS laboratory duplicates were within the acceptable range set by the laboratory as well as within Golder's acceptable RPD limit (50%).

7.5 Blank Samples

Results of the field and laboratory wash blanks and trip blank samples are presented in Table 13. A laboratory (method) blank analysis was also conducted by each laboratory for each batch of samples that were received. Laboratory certificates of analysis are presented in Appendix A.

7.5.1 Laboratory (Method) Blanks

7.5.1.1 Primary Laboratory (Leeder)

Leeder reported eleven laboratory blanks throughout the sampling and analysis programme (one per batch). Laboratory blanks were conducted on all analytes which were part of the analytical suite for that batch.

The results of the laboratory blank analysis indicate that no analytes were detected above the laboratory LOR in any of the laboratory blanks.



7.5.1.2 Secondary Laboratory (ALS)

The results of the laboratory blank analyses by ALS indicate that no analytes were detected above the laboratory LOR in any of the laboratory blanks.

7.5.2 Trip Blanks

Thirteen trip blanks (1 per day + 1 per batch to secondary laboratory) were analysed for VOCs and Br-VOCs to assess whether cross contamination of volatiles may be occurring in transit. Trip blanks were provided by Leeder and ALS and were sent to the corresponding laboratory. Review of trip blanks submitted to both Leeder and ALS revealed that all samples were below the respective LOR for VOCs and Br-VOCs.

7.6 Wash Blanks

Wash blanks are samples consisting of laboratory grade distilled water which was collected following rinsing decontaminated parts of the sampling equipment which had had contact with groundwater. The wash blank tests for cross-contamination between wells according to which, if any, analytes are still present on the pump after decontamination. One sample of un-used rinse water was also submitted to the laboratory to facilitate a comparison with wash blank analytical results. The un-used rinse water samples was collected on 27 June 2011 and analysed for suite 1. No detections of analytes were noted in the un-used rinse water samples. Golder recommends that in future the rinse water should be analysed for suite 2 in order to obtain analytical results for dissolved metals.

Ten wash blank samples were collected during the 2011 annual groundwater monitoring programme. Wash blanks were collected only on days when the submersible pump was used to collect groundwater samples. Wash blanks were analysed for various analytes based on the analysis being conducted on samples before and after the wash blank was collected.

The results of the wash blank testing indicated that metals were detected in some wash blank samples. A review of the wash blank data indicates that there are no apparent trends to signify data integrity issues or problems with the decontamination procedure. Table L provides a summary of the detected analytes in the wash blanks. Further discussion of the wash blank results is provided below.

Table L: Detections in Wash Blanks

Analyte	LOR (mg/L)	Number of Wash Blanks with Detections	Maximum Concentration (mg/L)	Site and Lot 2 RBC (mg/L)
Aluminium	0.001	7	1.4	309
Arsenic	0.0005	2	0.0007	0.00241
Cadmium	0.0002	3	0.0097	0.309
Chromium	0.001	5	0.002	0.928
Copper	0.001	2	0.006	0.0014*
Iron	0.001	6	1.9	217
Lead	0.001	4	0.029	0.0034*
Manganese	0.001	3	0.006	14.2
Nickel	0.001	5	0.007	3.86
Zinc	0.001	6	0.47	0.008*

*When a Site and Lot 2 RBC was not available, the Aquatic Ecosystem Screening Criteria was used for comparison.



Concentrations of metals detected in the wash blanks were negligible in comparison to the site and Lot 2 RBC. Comparison of lead and zinc concentrations in wash blank samples to Aquatic Ecosystem Screening Criteria suggested that there was a potential for exceedence of the criteria.

In the case of lead, only one of four detections appeared above the Aquatic Ecosystem Screening Criteria. This detection was in a wash blank between two site wells, MW02 and MW23i, which are not normally compared against the Aquatic Ecosystem Screening Criteria. In addition, lead concentrations at MW02 and MW23i were both below the LOR, suggesting that this detection of lead was most likely an artefact from the laboratory-supplied rinse water. These results are not considered to affect the outcomes of this investigation.

Concentrations of zinc above the Aquatic Ecosystem Screening Criteria occurred in all six detections. A review of the samples collected before and after each wash blank was conducted to assess the impact that these detections may have had on results. Four of the six wash blanks where detections of zinc were noted were collected between wells located on the site. Of the other two, one wash blank was collected from wells in the Southwest Industrial Complex and one wash blank was collected between wells in the Damplands. Of these locations, only the Dampland location would be compared against the Aquatic Ecosystem Screening Criteria. Zinc results at these two wells (MW36 and MWG62) were slightly higher than samples collected in 2010 but remained within the range of zinc concentrations reported since 2005. Furthermore, zinc has been observed in wash blank samples and in laboratory-supplied rinsate water historically.

No detections of VOCs, TPHs or nitrate (as N) were noted in any of the wash blank samples.

Based on these results, it appears that the decontamination procedures adopted were sufficient to minimise cross contamination between wells and to allow for meaningful interpretation of the results.

7.7 Surrogate Recoveries

The results of the surrogate analyses from the primary and secondary laboratories are presented in the laboratory certificates of analysis, presented in Appendix A.

7.7.1 Primary Laboratory (Leeder)

The surrogate recoveries are a measure of the amount of a chemical the laboratory has actually retrieved during a sample analysis. A known quantity of a similar chemical that is not present in the groundwater sample is added to the sample, and then the percentage retrieved during analysis is measured and used as a base measure for the expected percentage of similar analytes retrieved, as opposed to how much is actually present. Both NATA and Leeder have established a standard of 60% to 130% as the acceptable range for surrogate recoveries and Golder considers this range acceptable for the requirements of the 2011 annual groundwater monitoring programme.

Most samples surrogate recoveries from Leeder were within the acceptable range of 60% to 130%. For two samples, MWG60 and MWG50, the surrogate recovery for aluminium was at the upper limit (130%). For two other samples, MWG46 and MW02, the surrogate recovery for iron was at the upper limit (130%). As these sample surrogate recoveries were within the acceptable range, they are not expected to affect the results of the investigation.

7.7.2 Secondary Laboratory (ALS)

Surrogate recovery analysis was performed on VOCs, TPH (V)/BTEX and Br- VOCs. For these surrogates, ALS has adopted "dynamic recovery limits" which is covered by their NATA accreditation. The dynamic recovery limits are based on instrument history over a set of 20 quality control lots, and generally cover a much wider range than 70% to 130%. All surrogate recoveries fell within both Golder's acceptable range and the "dynamic recovery limits" set by ALS.



7.8 Spike Recoveries

The results of spike recoveries from the primary and secondary laboratories are presented in the laboratory certificates of analysis, presented in Appendix A.

7.8.1 Primary Laboratory (Leeder)

Spike recoveries are samples (either blank samples or actual samples) to which a known amount of the analytes being tested for have been added and then recovered through the same process as the actual samples to provide an indication of how efficient the recovery process is. As with surrogates, Leeder have a general acceptance limit of 60% to 130%.

All spike recoveries were within Leeder's acceptable limits (60-130%).

Spike recovery was not reported in one case due to high levels of compounds in the sample interfering with spike recovery (iron at MW22i (Site, Regional Watertable)). Primary sample results indicated elevated levels of these analytes, therefore the lack of a spike recovery result is considered acceptable.

Spike recovery was also not reported for toluene-D8 at MW03 (Site, Shallow Perched Aquifer) due to sample matrix effects. As this only occurred in one instance, this result is not expected to interfere with the results of this investigation.

Spike duplicates were also performed for all of the spike recoveries. No sample duplicates exceeded the acceptable RPD limit of 50%.

7.8.2 Secondary Laboratory (ALS)

All spike recoveries were within the acceptable recovery limits.

7.9 Quality Assurance/Quality Control Summary

A summary of the QA/QC assessments undertaken as part of the investigation is provided below. The QA/QC programme implemented for the 2011 annual groundwater monitoring programme was consistent with the guidelines outlined in the Golder SAP (Golder, 2010).

Table M: Summary of QA/QC

Item	Golder Objective	Summary of Results	Compliance
Calibration check of water quality meter	Ensure water quality meter is calibrated within acceptable limits.	One check was outside acceptable limits.	Note 1
Chain of Custody Records	Completed in full.	Completed in full.	Yes
Recovery and analysis of trip blanks	No contamination of blanks.	No contamination of blanks for all analytes.	Yes
Recovery and analysis of field replicate samples	Collect replicate samples at a minimum rate of 10% and assess that RPDs are within +/- 50% for results > 10 × LOR.	Not all RPDs >50% for results > 10× LOR.	Note 2
NATA-certification and approved analytical methods	Comply with reference.	Comply with reference.	Yes
Sample preservation and holding times	Comply with reference.	All Leeder and ALS samples complied.	Yes
Analysis of laboratory method blanks	No contamination of blanks.	No contamination of blanks.	Yes



Item	Golder Objective	Summary of Results	Compliance
Analysis of laboratory duplicates	RPDs <50% for results > 10 × LOR.	RPDs within +/- 50% for results.	Yes
Analysis of surrogate and spike recoveries	Percentage recovery 70-130%.	Surrogate recoveries within acceptable limits.	Yes
Frequency of Laboratory Duplicate Samples	Frequency ≥ 1 laboratory duplicate per batch.	Frequency ≥ 1 laboratory duplicate per batch.	Yes

Note 1: The water quality meter was found to be slightly outside acceptable limits at end of day 30 June 2011. Upon discovery of outlying parameters, the meter was re-calibrated. These results are not expected to impact the findings of this investigation.

Note 2: Results of the field duplicate and triplicate sampling are presented in Table 14 at the back of this report. Comparison of the primary and duplicate samples from MW22i (on-site well) showed that one set of results, zinc, had a difference between results above ten times the laboratory LOR (RPD=138%). The primary result for zinc was above the Aquatic Ecosystem Screening Criteria (0.008 mg/L) while the secondary result was below the Aquatic Ecosystem Screening Criteria. Due to these differences, it is possible that zinc concentrations were over or underestimated in 2011, therefore results may not be representative of actual zinc concentrations. This QA/QC divergence has been reflected in the results section of this report.

One RPD exceedence at SG05 was found to have a difference between results above ten times the laboratory LOR. Nitrate (as N) was found at SG05 to have an RPD difference of 186%. The results from the primary and duplicate samples were well below the Aquatic Ecosystem Screening Criteria (7 mg/L). Only one exceedence of this criteria was noted during this investigation at MWG63 (Damplands well). Results were comparable to results from previous years; therefore, Golder does not believe this exceedence will impact the findings of this investigation.

Three analytes at MW22i had an RPD exceedence where the difference between both analytes was greater than ten times the LOR. TPH C₆-C₉ and TPH C₁₅-C₂₈ had an exceedence value of RPD=156% and RPD=99%, respectively. The secondary laboratory (ALS) recorded the larger of the two values at 0.9 mg/L and 1.27 mg/L for TPH C₆-C₉ and TPH C₁₅-C₂₈. The RBC for the Site and Lot 2 identifies 1920 mg/L as the level for TPH C₆-C₉ and 9.82 mg/L as the level for TPH C₁₅-C₂₈. All TPH C₆-C₉ and TPH C₁₅-C₂₈ concentrations for wells at the site were below these criteria levels and therefore, the data quality was not considered to adversely affect the outcomes of the investigation.

One analyte at MW42 had an RPD exceedence where the difference between both analytes was greater than ten times the LOR. TPHC₆-C₉ had an exceedence value of RPD=186%. The secondary laboratory (ALS) recorded the larger of the two values at 0.14 mg/L. The RBC for the Site and Lot 2 identifies 1920 mg/L as the level for TPH C₆-C₉. All TPH C₆-C₉ and TPH C₁₅-C₂₈ concentrations for wells at the site were below these criteria levels and therefore, the data quality was not considered to adversely affect the outcomes of the investigation.

The laboratory LOR for contaminants of concern were targeted below the adopted screening criteria and site-specific RBC allowing satisfactory interpretation of results. In some cases (cadmium – Helena River, mercury – Helena River and carbon tetrachloride – all locations), the LOR was above the relevant RBC due to limitations on laboratory methods and/or dilution requirements. Carbon tetrachloride has never been detected during the annual groundwater monitoring programme and is not considered a contaminant of concern. Similarly, cadmium and mercury have not been detected above the LOR in the Helena River during previous sampling rounds. Based on these considerations, these results are not expected to impact the findings of this investigation.

In general, comparison of primary and duplicate results complied with the adopted protocols. All other intra-laboratory testing did not highlight any significant issues with the quality of the data.

8.0 DISCUSSION

Groundwater Flow and Velocity

A review of the groundwater flow direction and velocities in 2011 indicate little change from previous years. Groundwater flow direction in the Regional, Base of Guildford and Leederville formations has remained south-westerly/south south-westerly. The groundwater velocities at the Base of Guildford formation, the Alluvial formation and the Leederville formation have decreased while the groundwater velocity of the



Regional Guildford formation has remained stable at 1 m/year. The slightly slower groundwater velocities compared to 2010 results may result in contaminant movement downgradient to slow down.

Groundwater Quality

Groundwater quality results were consistent with 2010 results with slightly acidic groundwater in the majority of sample locations. EC at the Helena River was reported as slightly decreased compared to 2010 results. EC at MWG56 has not been stable and future monitoring of this location to confirm EC is recommended. ORP results indicate slightly reducing conditions at the site wells and oxidising conditions at many of the wells placed in the Base of Guildford and Shallow Perched Aquifer formations.

Chlorinated Ethenes

In general, results indicate that concentrations of chlorinated ethenes both on-site and off-site have decreased since 2010.

Figure 8 presents the distribution of chlorinated ethenes (PCE, TCE, cis-1,2-DCE and 1,2-DCA) in the Regional Watertable across the study area. As previously identified in the 2008, 2009 and 2010, annual groundwater monitoring results, two plume centrelines can be identified:

- 1) a plume consisting of a mixture of chlorinated ethenes with concentrations generally below RBC, and
- 2) a plume of predominantly TCE that has been inferred to have emanated from the Stanley Street cul-de-sac.

Both plumes converge at the base of the escarpment where the PRB system has been installed.

Results from the 2009 annual programme showed concentrations of chlorinated ethenes above the laboratory LOR in the Helena River. Subsequent pore water sampling also detected concentrations of chlorinated ethenes (Golder, 2009d). Results from 2010 and 2011 sampling did not detect any concentrations of chlorinated ethenes above laboratory LORs in the Helena River.

The plume centrelines are generally similar to that of previous years' as contaminant concentrations and distributions have remained very similar. The one exception is the PCE centreline. PCE was detected in MWG70 and MWG91A and MWG57 at low concentrations but was not previously detected in 2010 or before and therefore the centreline has shifted slightly to the north.

TCE

The TCE distribution over the study area is presented in Figures 7 and 8. Compared to 2010, the TCE plume has moved south-east toward the PRB and is now located at MWG63. In 2011, concentrations of TCE either decreased or remained stable at all sampled Site and Lot 2 wells. Generally, TCE concentrations in wells located in the Southwest Industrial Complex, the Hanson Property and the Damplands also appeared to have decreasing or stable trends.

There were increasing TCE concentrations in MWG51 (Southwest Industrial Complex, Regional Watertable), MW32 (Hanson Property, Shallow Perched Aquifer), MWG62 (Damplands, Regional Watertable) and MWG66 (Damplands, Alluvium). The largest increase in TCE was observed at MWG62, where concentrations increased from 0.007 mg/L in 2010 to 0.082 mg/L in 2011. MWG62 and MWG51 are both located upgradient of the PRB system and therefore the TCE concentrations are expected to impact ecological receptors.

Concentrations of TCE at MWG66 (located in the Damplands downgradient of the PRB system) appear to be increasing although concentrations remain below the RBC. Concentrations of TCE at MWG62 have been detected above the relevant RBC but no trends are apparent. Figure A illustrates the change in TCE over time for the two locations downgradient of the PRB system where TCE was detected. It is likely that groundwater treated by the PRB system has not yet reached these two downgradient locations. Concentrations of TCE at other wells downgradient of the PRB system (MW36, MWG60, SG05, SG06 and SG07) were below LOR and below RBC.

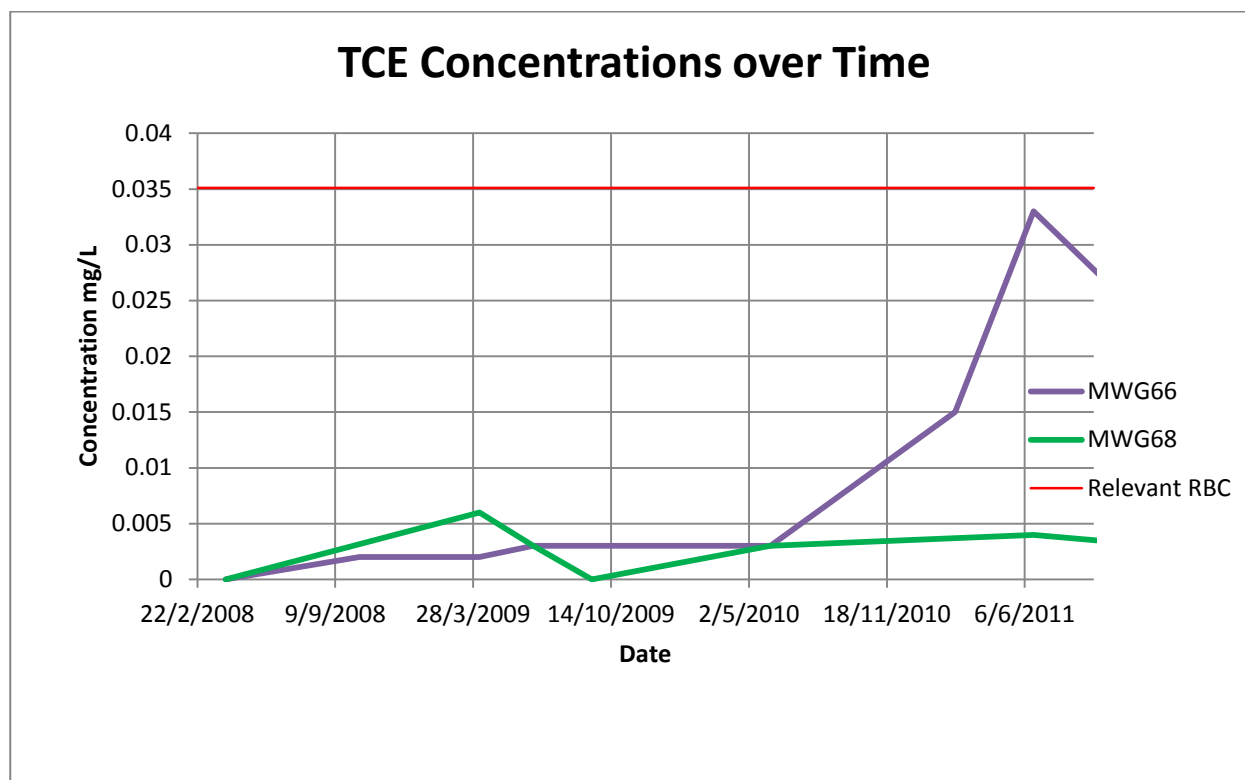


Figure A: TCE over Time in Wells Downgradient of the PRB System

Other Chlorinated Ethenes

A detection of VC was noted for the first time at MWG51 and vinyl bromide concentrations at MWG51 also increased compared to previous results. Furthermore, concentrations of PCE and trichlorofluoromethane increased slightly at MWG70 (Southwest Industrial Complex, Regional Watertable). With the exception of the vinyl bromide detection at MWG51, these detections of chlorinated ethenes did not exceed the relevant RBC. As the PRB system located downgradient of these wells has the capability of remediating vinyl bromide, it is not considered by Golder to currently pose a risk to ecological receptors. VC and other compounds suggesting degradation of TCE have also been detected downgradient of the PRB system and is discussed further in the PRB quarterly report (087643011 167 R RevA). These detections indicate that TCE is not completely degrading within the PRB system. Further works have been conducted to understand the chemical reactions occurring within the PRB system and this is discussed further in the Further Investigations Summary (117643033 001 R RevA).

Slight increases in concentrations of cis-1,2-DCE and PCE were noted at MWG91B (Lot 2, Base of Guildford) in 2011 and concentrations of 1,1-DCA increased slightly at MWG91C (Lot 2, Base of Guildford). Concentrations of these contaminants were lower than those detected at MWG91A, nevertheless, the increased concentrations at MWG91B and MWG91C may indicate downward migration of chlorinated ethenes. These increases in concentration may also be due to lateral migration of contaminated groundwater away from the site.

The concentration of cis-1,2-DCE at MW04 (site, Shallow Perched Aquifer) increased above the relevant RBC for the first time. Concentrations of other chlorinated ethenes at MW04 decreased. The increase in cis-1,2-DCE and the decrease of both PCE and TCE at MW04 suggests degradation of the plume at the site between 2005 and 2011.

Vinyl bromide concentrations in 2011 at Lot 2 dropped to below the laboratory LOR with the exception of MWG59 (Regional Watertable) which saw a decrease in the concentration of vinyl bromide between 2010 and 2011. Nevertheless, the concentration of vinyl bromide at MWG59 remained above the relevant RBC.



Since MWG59 is upgradient of the PRB, which has the capability of remediating vinyl bromide, it is not considered by Golder to currently pose a risk to ecological receptors.

Analytical results for MWG27 (Site, Base of Guildford), MWG56 (Hanson, Base of Guildford) and MWG69 (Southwest Industrial Complex, Base of Guildford) were consistent with 2006 results with no detections of ethenes above the laboratory LOR.

Hydrocarbons

Generally, concentrations of hydrocarbons were consistent with historical results and, in some cases, decreases in hydrocarbon concentrations were noted as well. Analytical results at MW01 and MW44 were difficult to compare against historical results due to elevated laboratory LORs in 2004.

Metals

Generally, concentrations of metals reported stable or decreasing trends. Metals exceeding the Aquatic Ecosystem Screening Criteria in the Helena River were copper, iron and zinc. Aluminium concentrations dropped below the Aquatic Ecosystem Screening Criteria in 2011 while copper and zinc concentrations increased in 2011 above the Aquatic Ecosystem Screening Criteria. There are no indications that these exceedences are directly related to on-site contamination based on upstream contaminant concentrations.

There were increases in aluminium, manganese and nickel at MWG23i (Regional Watertable) and increases of iron and zinc at MWG25 (Base of Guildford). MWG27 (Base of Guildford) also showed an increase in zinc concentrations. Concentrations of other metals, including arsenic, generally decreased in all wells included in the 2011 annual groundwater monitoring programme. The increases of metals at some wells is not considered to impact the PRB system and are not representative based on the decreasing and/or stable trends at other wells.

Golder recommends that in future the analysis undertaken on the rinsate samples should include dissolved metals.

9.0 CONCLUSIONS AND RECOMMENDATIONS

This report has presented the results of the 2011 annual groundwater monitoring round undertaken at the site and its surrounds. The programme included the collection of groundwater measurements and the collection of samples from 41 locations. The results from this annual groundwater monitoring programme are in general agreement with the results of previous programmes.

The following is a summary of the results of the 2011 annual groundwater monitoring programme:

- groundwater flow, velocity and quality were consistent with 2010 results
- no chlorinated ethenes were detected in the Helena River
- generally, concentrations of chlorinated ethenes have decreased in comparison to 2010 results
- no apparent trends were noted relating to hydrocarbon concentrations that result in changes to the understanding of contamination at the site
- benzene and TPH fractions in MW25 were below the relevant RBC and therefore downward migration of hydrocarbons within the Waste Control site has potentially reached steady state
- increasing concentrations of TCE has been noted at MWG66; a well located downgradient of the PRB system
- increases in metals were detected in some on-site wells (MW23i, MW25 and MW27) but generally decreasing or stable trends were noted.

Golder recommends that an annual groundwater monitoring programme be undertaken in 2012. Removal of the additional perched aquifer wells included in the 2011 annual groundwater monitoring programme is



suggested. All monitoring locations undertaken in 2009 should be included in the 2012 annual groundwater monitoring programme. Collection of water quality parameters at MWG56 is recommended to gain a better understanding of historical EC fluctuations.

10.0 LIMITATIONS

Your attention is drawn to the document - "Limitations", which is included as Appendix D to this report. This document is intended to assist you in ensuring that your expectations of this report are realistic, and that you understand the inherent limitations of a report of this nature. If you are uncertain as to whether this report is appropriate for any particular purpose please discuss this issue with us.

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Table 1: Site Groundwater Analytical Results

Location Code	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW02	MW02	MW02	MW02
Sampled Date Time	22/11/2001	12/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	7/07/2011	21/11/2001	12/03/2003	12/12/2003	10/03/2004	
Field ID	MW01	MW01	MW01	MW01	MW01	MW01	Q8122-03	MW02	MW02	MW02	MW02	
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309										
Aluminium (Filtered)	mg/L	0.001	309	309						0.007				
Arsenic	mg/L	0.0005	0.00241	0.00241										
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.023	0.011				0.0062	<0.001	<0.001		
Cadmium	mg/L	0.0001	0.309	0.309										
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.001	<0.001				<0.0005	<0.001	<0.001		
Chromium	mg/L	0.0002	0.928	0.928										
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.005	0.002				<0.001	<0.001	<0.001		
Cobalt	mg/L	0.001												
Copper	mg/L	0.0005												
Copper (Filtered)	mg/L	0.0005			0.039	0.001				0.002	0.002	0.001		
Iron (ferrous)	mg/L	0.05												
Iron	mg/L	0.001	217	217										
Iron (Filtered)	mg/L	0.001	217	217						25				
Lead	mg/L	0.001												
Lead (Filtered)	mg/L	0.0001			<0.001	<0.001				<0.001	<0.001	<0.001		
Manganese	mg/L	0.001	14.2	14.2										
Manganese (Filtered)	mg/L	0.001	14.2	14.2						0.12				
Mercury	mg/L	0.0001												
Mercury (Filtered)	mg/L	0.00001			<0.001	0.0001				<0.0005	<0.001	<0.0001		
Nickel	mg/L	0.001	3.86	3.86										
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.218	0.068				0.013	0.006	0.004		
Zinc	mg/L	0.001												
Zinc (Filtered)	mg/L	0.0005			0.023	<0.005				0.023	0.025	0.018		
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.005	<0.0005	<0.0005
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001												
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.01	<0.0005	<0.002	<0.01	<0.002	<0.002	<0.001	<0.002	<0.0005	<0.002
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.5 - 0.042	0.113 - 0.132	<0.1 - 0.076	<0.1 - 0.116	0.0575 - 0.069	<0.5 - 0.052	0.021	<0.002	<0.0005	<0.002
1,3,5-Trichlorobenzene	mg/L	0.0001												
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.01	<0.02 - 0.0034	<0.002	<0.01	<0.002	<0.002	0.001	<0.002	<0.0005	<0.002
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.01	<0.02 - 0.0125	<0.1 - 0.006	<0.01	<0.005 - 0.007	<0.5 - 0.004	0.002	<0.002	<0.0005	<0.002
2-Chlorotoluene	mg/L	0.0001			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.005	<0.0005	<0.005
4-Chlorotoluene	mg/L	0.0005			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.005	<0.0005	<0.005
Bromobenzene	mg/L	0.0001			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.0001	<0.005	<0.0005	<0.005
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.2	<0.002 - 0.0033	<0.1	<0.1	<0.005	<0.5	0.004	<0.002	<0.0005	<0.005
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	1.4	0.572	0.734	<0.2	0.597	<1	0.65	<0.005	<0.001	<0.005
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.494	0.341	0.226	<0.2	0.198	<1	0.26	<0.005	<0.001	<0.005
Benzene	mg/L	0.001	0.00274	0.00274	<0.1	0.036 - 0.039	<0.2	<0.2	0.012	<1	0.003	<0.001	<0.001	<0.005
Ethylbenzene	mg/L	0.000001	9.33	3440	8.85 - 10.9	8.4 - 8.53	4.82	7.77	6.55	3.66	3.2	<0.002	<0.001	<0.005
Isopropylbenzene	mg/L	0.000001	4.16	534	0.141	0.087	<0.2	<0.2	0.043	<1	0.037	<0.005	<0.001	<0.005
n-Butylbenzene	mg/L	0.001			<0.5	0.006	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.212	0.103	<0.2	<0.2	<0.01	<1	0.015	<0.005	<0.001	<0.005
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.5	0.009	<0.2	<0.2	<0.01	<1	0.005	<0.005	<0.001	<0.005
sec-Butylbenzene	mg/L	0.000001			<0.5	0.01	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
Styrene	mg/L	0.0001	0.9	585	0.143	0.099	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
tert-Butylbenzene	mg/L	0.00001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
Toluene	mg/L	0.000001	28.8	382	36.5	26.8 - 27.7	14.7	11.2	24.4	13.3	9.8	<0.002	<0.001	<0.005
Xylenes (m & p)	mg/L	0.000001	89	122	42.1	34.1 - 37.2	23	37.1	32.1	18.6	21	<0.002	<0.001	<0.005
Xylene (o)	mg/L	0.000001	89	122	16.2	1.31 - 13.2	9.7	13.8	12.7	7.71	10	<0.002	<0.001	<0.005
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	58.3	50.4	32.7	50.9	44.8	26.31	31	<0.004	<0.002	<0.01
PAH														
Naphthalene	mg/L	0.000001	1.89	23.7	<0.7 - 0.042	0.031 - 0.037	<0.2 - 0.0348	<0.2 - 0.019	0.028 - 0.0456	<1 - 0.022	0.025	<0.002	<0.0001	<0.0001
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05									68			
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		160	149	76.7	123	83.2	62.7	61	0.388	0.201	0.055
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	123	29.1	15.9	24.5	16.4	6.19	6.7	0.088	<0.05	<0.05
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	23.8	7.27	3.5	4.81	5.05	3.65	0.45	0.173	<0.1	<0.1
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	2.91	0.729	0.095	<0.05	0.359	<0.05	0.11	0.09	<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,1,1-Trichloroethane	mg/L	0.000001			0.351	0.096	<0.2	<0.2	0.047	<1	0.029	0.012	<0.001	<0.005
1,1,2,2-Tetrabromoethane	mg/L	0.0001									<0.0001			
1,1,2,2-Tetrabromoethene	mg/L	0.0001												
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,1,2-Tribromoethane	mg/L	0.0001									<0.0001			

Table 1: Site Groundwater Analytical Results

Location Code	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW02	MW02	MW02	MW02
Sampled Date Time	22/11/2001	12/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	7/07/2011	21/11/2001	12/03/2003	12/12/2003	10/03/2004
Field ID	MW01	MW01	MW01	MW01	MW01	MW01	Q8122-03	MW02	MW02	MW02	MW02
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,1-Dichloroethane	mg/L	0.000001			0.249	0.256	<0.2	0.236	0.097	<1	0.019	<0.005	<0.001	<0.005
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.249	<0.001	<0.2	<0.2	<0.01	<1	0.001	<0.005	<0.001	<0.005
1,1-Dichloropropene	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,2,3-Trichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.5	<0.005	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.005	<0.005
1,2-Dibromoethane	mg/L	0.0001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2							<0.0001			
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,2-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,3-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
2,2-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
Bromochloromethane	mg/L	0.0001									<0.0001			
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005
Bromoethane	mg/L	0.0001									<0.0001			
Bromoethyne	mg/L	0.0001									<0.0001			
Bromoform	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005
Bromomethane	mg/L	0.001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05
Carbon disulfide	mg/L	0.0001			<0.5	<0.005	<0.2	<0.2	<0.01	<1		<0.005	<0.005	<0.005
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005
Chloroethane	mg/L	0.000001	0.0118	0.0118	<5	<0.01	<2	<2	<0.1	<10	0.003	<0.05	<0.01	<0.05
Chloroform	mg/L	0.000001	0.25	0.25	0.2	0.143	<0.2	<0.2	0.034	<1	<0.001	0.033	0.007	<0.005
Chloromethane	mg/L	0.000001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05
cis-1,2-Dibromoethene	mg/L	0.0001									<0.0001			
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	7.92	3.01	1.78	<0.2	1.11	<1	0.39	0.009	0.001	<0.005
cis-1,3-Dichloropropene	mg/L	0.001			<1	<0.002	<0.4	<0.4	<0.02	<2	<0.001	<0.01	<0.002	<0.01
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1		<0.005	<0.001	<0.005
Dibenz(a,j)acridine	mg/L	0.001												
Dibromomethane	mg/L	0.0001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005
Dichlorodifluoromethane	mg/L	0.001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05
Dichloromethane	mg/L	0.0001	0.0397	0.0397							<0.01			
Hexachlorobutadiene	mg/L	0.0001			<0.002	<0.001	<0.002	<0.01	<0.002	<0.002	<0.001	<0.002	<0.001	<0.002
Hexachloroethane	mg/L	0.0001			<0.01	<0.02	<0.002	<0.01	<0.002	<0.002		<0.002	<0.002	<0.002
Iodomethane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1		<0.005	<0.001	<0.005
Pentachloroethane	mg/L	0.0001			<0.5	<0.005	<0.2	<0.2	<0.01	<1		<0.005	<0.005	<0.005
Pyridine	mg/L	0.001												
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.2	0.041	<0.2	<0.2	0.019	<1	0.024	0.013	0.007	<0.005
Tetrabromoethane	mg/L	0.0001									<0.0001			
Tetrabromoethene	mg/L	0.0001									<0.0001			
Tetrachloroethene	mg/L	0.000001	1.75	321	0.497	0.122	<0.2	<0.2	0.07	<1	0.091	0.172	0.147	0.051
Trihalomethanes	mg/L				0.25 - 0.95	0.0005 - 0.1445	<0.2	<0.2	0.005 - 0.049	<1	<0.0013	0.0025 - 0.0405	0.0005 - 0.0085	<0.005
trans-1,2-Dibromoethene	mg/L	0.0001									<0.0001			
trans-1,2-dichloroethene	mg/L	0.000001			<0.5	0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
trans-1,3-dichloropropene	mg/L	0.001			<1	<0.002	<0.4	<0.4	<0.02	<2	<0.001	<0.01	<0.002	<0.01
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1		<0.005	<0.001	<0.005
Tribromoethane	mg/L	0.0001												
1,1,2-Tribromoethene	mg/L	0.0001									<0.0001			
Trichlorofluoromethane	mg/L	0.000001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113							<0.0001			
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<5	<0.01	<2	<1	<0.05	<5	<0.001	<0.05	<0.01	<0.05

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW02	MW02	MW02	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW04
Sampled Date Time	8/06/2004	14/09/2004	4/07/2011	22/11/2001	11/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	5/07/2011	22/11/2001	
Field ID	MW02	MW02	Q8119-01	MW03	MW03	MW03	MW03	MW03	MW03	Q8120-04	MW04	
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309										
Aluminium (Filtered)	mg/L	0.001	309	309			0.01						0.006	
Arsenic	mg/L	0.0005	0.00241	0.00241										
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241			<0.0005	0.019	0.029				<0.0005	0.037
Cadmium	mg/L	0.0001	0.309	0.309										
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309			<0.0005	<0.001	<0.001				<0.0005	<0.001
Chromium	mg/L	0.0002	0.928	0.928										
Chromium (Filtered)	mg/L	0.0002	0.928	0.928			<0.001	<0.005	0.004				<0.001	<0.005
Cobalt	mg/L	0.001												
Copper	mg/L	0.0005												
Copper (Filtered)	mg/L	0.0005					<0.001	0.003	0.002				0.008	0.042
Iron (ferrous)	mg/L	0.05												
Iron	mg/L	0.001	217	217										
Iron (Filtered)	mg/L	0.001	217	217			<0.001						0.067	
Lead	mg/L	0.001												
Lead (Filtered)	mg/L	0.0001					<0.001	<0.001	<0.001				<0.001	0.001
Manganese	mg/L	0.001	14.2	14.2										
Manganese (Filtered)	mg/L	0.001	14.2	14.2			<0.001						0.002	
Mercury	mg/L	0.0001												
Mercury (Filtered)	mg/L	0.00001					<0.0005	<0.001	<0.0001					<0.001
Nickel	mg/L	0.001	3.86	3.86										
Nickel (Filtered)	mg/L	0.0002	3.86	3.86			<0.001	0.144	0.071				0.015	0.041
Zinc	mg/L	0.001												
Zinc (Filtered)	mg/L	0.0005					<0.001	0.01	0.004				0.033	0.034
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.005	0.0138	<0.0005	<0.0005	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001												
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.0005	<0.0005	<0.001	<0.002	<0.0005	<0.002	<0.002 - 0.0208	<0.0005	<0.0005	<0.001
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.0005	<0.0005	<0.001	0.023 - 0.029	0.006 - 0.0383	0.018 - 0.024	<0.005 - 0.029	<0.0005 - 0.032	<0.0005	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001												
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.0005	<0.0005	<0.001	<0.002	<0.004 - 0.0016	<0.002	<0.002	<0.0005	<0.0005	<0.001
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.0005	<0.0005	<0.001	0.004 - 0.005	<0.004 - 0.0065	<0.005 - 0.004	<0.005 - 0.004	0.0014 - 0.004	<0.002 - 0.0013	<0.001
2-Chlorotoluene	mg/L	0.0001			<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.005	<0.005	<0.0005	0.0009	<0.001
Bromobenzene	mg/L	0.0001			<0.0005	<0.0005	<0.0001	<0.005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.001
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.0005	<0.0005	<0.001	<0.002	<0.002 - 0.0014	<0.005	<0.005	<0.0005	<0.0005	<0.001
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	<0.001	<0.001	<0.001	0.082	0.311	0.176	<0.01	<0.001	0.015	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	<0.001	<0.001	<0.001	0.033	0.075	0.041	0.133	<0.001	0.008	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	0.007 - 0.009	<0.005	<0.01	<0.001	0.001	<0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	<0.001	<0.001	<0.001	0.124	0.847 - 0.869	0.608	1.17	<0.001	0.097	<0.001
Isopropylbenzene	mg/L	0.000001	4.16	534	<0.001	<0.001	<0.001	<0.005	0.015	0.008	<0.01	<0.001	0.004	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	0.002	<0.005	<0.01	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	<0.001	<0.001	<0.001	<0.005	0.02	0.011	<0.01	<0.001	0.005	<0.001
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.001	<0.001	<0.001	<0.005	0.008	<0.005	<0.01	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.005	0.001	<0.005	<0.01	<0.001	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	<0.001	<0.001	<0.001	0.0628 - 0.063	0.097 - 0.147	0.008	<0.01	<0.001	0.007	<0.001
Xylenes (m & p)	mg/L	0.000001	89	122	<0.001	<0.001	<0.001	0.175 - 0.2	3.32 - 3.58	0.826	3.77	<0.001	0.01	<0.001
Xylene (o)	mg/L	0.000001	89	122	<0.001	<0.001	<0.001	0.131	1.98 - 2.04	0.363	2.31	<0.001	0.006	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	<0.002	<0.002	<0.002	0.331	5.62	1.189	6.08	<0.002	0.016	<0.002
PAH														
Naphthalene	mg/L	0.000001	1.89	23.7	<0.0001	<0.0001	<0.001	<0.007 - 0.005	0.017 - 0.0202	0.012 - 0.016	<0.01 - 0.0579	<0.007 - 0.031	<0.0001 - 0.008	<0.001
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05					<0.05						<0.05	
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		0.043	0.035	<0.01	2.28	34.9	2.37	9.36	0.187	0.156	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.05	<0.05	<0.01	4.64	4.72	1.29	4.12	1.84	<0.05	<0.01
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.1	<0.1	<0.05	7.73	2.74	1.35	2.18	1.13	0.851	<0.05
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	<0.05	1.16	0.168	0.22	0.13	<0.05	<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	0.375
1,1,2,2-Tetrabromoethane	mg/L	0.0001					<0.0001							<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001												
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001					<0.0001							<0.0001

Table 1: Site Groundwater Analytical Results

Location Code	MW02	MW02	MW02	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW04
Sampled Date Time	8/06/2004	14/09/2004	4/07/2011	22/11/2001	11/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	5/07/2011	22/11/2001	
Field ID	MW02	MW02	Q8119-01	MW03	MW03	MW03	MW03	MW03	MW03	Q8120-04	MW04	
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	0.003	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
1,1-Dichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	0.054	0.001	<0.005	0.019	0.011	0.003	0.267
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005		<0.001	<0.001	<0.5
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.005	<0.005	<0.0001	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.5
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2	<0.001	<0.001	<0.0001						<0.0001	
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Bromochloromethane	mg/L	0.0001			<0.0001								<0.0001	
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.001	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Bromoethane	mg/L	0.0001					<0.0001						<0.0001	
Bromoethyne	mg/L	0.0001					<0.0001						<0.0001	
Bromoform	mg/L	0.0001	0.25	0.25	<0.001	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Bromomethane	mg/L	0.001			<0.01	<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<5
Carbon disulfide	mg/L	0.0001			<0.005	<0.005		<0.005	<0.005	<0.005	<0.01	<0.005	0.038	<0.5
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.001	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.01	<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<5
Chloroform	mg/L	0.000001	0.25	0.25	0.002	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	0.001	0.254
Chloromethane	mg/L	0.000001			<0.01	<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<5
cis-1,2-Dibromoethene	mg/L	0.0001					<0.0001						<0.0001	
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	<0.001	<0.001	<0.001	2.78	1.34	0.327	0.604	0.159	0.084	0.342
cis-1,3-Dichloropropene	mg/L	0.001			<0.002	<0.002	<0.001	<0.01	<0.002	<0.01	<0.02	<0.002	<0.002	<1
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.001		<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Dibenz(a,j)acridine	mg/L	0.001												
Dibromomethane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Dichlorodifluoromethane	mg/L	0.001			<0.01	<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<5
Dichloromethane	mg/L	0.0001	0.0397	0.0397			<0.01						<0.01	
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.01
Hexachloroethane	mg/L	0.0001			<0.002	<0.002		<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.01
Iodomethane	mg/L	0.001			<0.001	<0.001		<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Pentachloroethane	mg/L	0.0001			<0.005	<0.005		<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.5
Pyridine	mg/L	0.001												
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.001	0.001	<0.001	<0.005	0.002	<0.005	<0.01	0.002	0.018	0.001
Tetrabromoethane	mg/L	0.0001					<0.0001						<0.0001	
Tetrabromoethene	mg/L	0.0001					<0.0001						<0.0001	
Tetrachloroethene	mg/L	0.000001	1.75	321	0.041	0.032	0.007	<0.005	0.014	0.018	0.036	0.018	0.11	0.025
Trihalomethanes	mg/L				0.0005 - 0.0035	<0.001	<0.0013	<0.005	<0.001	<0.005	<0.01	<0.001	0.0005 - 0.0025	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001					<0.0001						<0.0001	
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
trans-1,3-dichloropropene	mg/L	0.001			<0.002	<0.002	<0.001	<0.01	<0.002	<0.01	<0.02	<0.002	<0.002	<1
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.001		<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.5
Tribromoethane	mg/L	0.0001												
1,1,2-Tribromoethene	mg/L	0.0001					<0.0001						<0.0001	
Trichlorofluoromethane	mg/L	0.000001			<0.01	<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<5
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113			<0.0001						<0.0001	
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.01	<0.01	<0.001	<0.05	<0.01	<0.05	<0.05	<0.01	<0.01	<5

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW04	MW04	MW04	MW04	MW04	MW05	MW05	MW05	MW05	MW05	MW05	MW05
Sampled Date Time	12/03/2003	11/12/2003	16/09/2004	29/09/2005	2/08/2011	22/11/2001	12/03/2003	12/12/2003	10/03/2004	9/06/2004	15/09/2004	6/07/2011
Field ID	MW04	MW04	MW04	MW04	Q6653-01	MW05	MW05	MW05	MW05	MW05	MW05	Q8121-01
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
Heavy Metals															
Aluminium	mg/L	0.001	309	309					0.05						
Aluminium (Filtered)	mg/L	0.001	309	309				0.017							<0.001
Arsenic	mg/L	0.0005	0.00241	0.00241											
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.008			0.029	0.0067	0.005	0.003				<0.0005
Cadmium	mg/L	0.0001	0.309	0.309											
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.001			<0.0005	<0.00005	<0.001	<0.001				<0.0005
Chromium	mg/L	0.0002	0.928	0.928											
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	0.004			0.002	0.001	<0.001	<0.001				<0.001
Cobalt	mg/L	0.001							<0.001						
Copper	mg/L	0.0005													
Copper (Filtered)	mg/L	0.0005			<0.001					0.063	<0.001				0.003
Iron (ferrous)	mg/L	0.05						120							
Iron	mg/L	0.001	217	217					110						
Iron (Filtered)	mg/L	0.001	217	217				180							0.013
Lead	mg/L	0.001													
Lead (Filtered)	mg/L	0.0001			<0.001			<0.001	<0.0005	0.004	<0.001				<0.001
Manganese	mg/L	0.001	14.2	14.2											
Manganese (Filtered)	mg/L	0.001	14.2	14.2				0.32	0.084						<0.001
Mercury	mg/L	0.0001													
Mercury (Filtered)	mg/L	0.00001			0.0003			<0.0005	<0.00005	<0.001	<0.0001				<0.0005
Nickel	mg/L	0.001	3.86	3.86											
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.035			0.026	0.013	0.052	0.02				0.005
Zinc	mg/L	0.001													
Zinc (Filtered)	mg/L	0.0005			0.013			0.062	0.009	0.056	<0.005				0.025
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.0005	<0.1	<0.0005	<0.001	<0.001	<0.005	<0.0005	<0.005	<0.0005	<0.0005	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001						<0.005							
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.0005	<0.04	<0.1 - 0.001	<0.001	<0.001	<0.005	<0.0005	<0.002	<0.0005	<0.0005	<0.001
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	0.211 - 0.244	0.525 - 0.696	1.07 - 3.48	0.68	0.21	<0.005	<0.0005	<0.002	<0.0005	<0.0005	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001						<0.005							
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.0005	<0.04	<0.0005	<0.001	<0.001	<0.005	<0.0005	<0.002	<0.0005	<0.0005	<0.001
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	0.021 - 0.0265	<0.1 - 0.051	0.032 - 0.138	0.06	0.021	<0.005	<0.0005	<0.002	<0.0005	<0.0005	<0.001
2-Chlorotoluene	mg/L	0.0001			<0.0005	<0.1	<0.0005	<0.001	<0.001	<0.005	<0.0005	<0.005	<0.0005	<0.0005	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.0005	<0.1	<0.0005	<0.001	<0.001	<0.005	<0.0005	<0.005	<0.0005	<0.0005	<0.001
Bromobenzene	mg/L	0.0001			<0.0005	<0.1	<0.0005	<0.0001	<0.0001	<0.005	<0.0005	<0.005	<0.0005	<0.0005	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	0.0277 - 0.032	<0.1	<0.0005	0.024	0.021	<0.002	<0.0005	<0.005	<0.0005	<0.0005	<0.001
MAH															
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	1.86	15.7	69.4	1.4	2.2	<0.005	<0.001	<0.005	<0.001	0.002	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.53	5.64	22.7	0.53	0.7	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	0.067 - 0.073	<0.2	0.06	0.051	0.036	<0.005 - 0.0018	0.003	<0.005	<0.001	0.001	<0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	7.82 - 7.94	57.7	31.5	0.71	8.6	<0.005 - 0.0047	0.005 - 0.006	<0.005	<0.001	0.002	<0.001
Isopropylbenzene	mg/L	0.000001	4.16	534	0.088	1.46	2.33	0.12	0.12	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			0.013	<0.2	<0.001	<0.001	0.024	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.163	3.17	8.06	0.2	0.2	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.000001	4.5	529	0.02	0.428	0.063	0.017	0.023	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.000001			0.016	<0.2	<0.001	<0.001	0.016	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	0.155	<0.2	3.7	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	47.5 - 49.1	125	69.3	57	68	0.015 - 0.0154	0.004 - 0.005	<0.005	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.000001	89	122	40.7 - 42.6	256	158	31	37	0.011 - 0.0114	0.003 - 0.004	<0.005	<0.001	0.001	<0.001
Xylene (o)	mg/L	0.000001	89	122	13.5 - 14.4	86	59.2	12	14	0.0096 - 0.01	0.004 - 0.005	<0.005	<0.001	0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	57	342	217.2	43		0.0214	0.009	<0.01	<0.002	0.002	<0.002
PAH															
Naphthalene	mg/L	0.000001	1.89	23.7	0.097 - 0.13	0.182 - 0.358	0.361 - 5.93	0.12	0.13	<0.007	<0.007 - 0.0001	<0.0001	<0.007 - 0.0001	<0.007 - 0.0002	<0.001
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05						360							<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		148	782	594	260	310	0.873	0.29	0.072	0.168	0.172	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	108	166	92.8	24	50	62.4	1.83	0.57	1.58	1.48	<0.01
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	3.06	4.77	5.2	1.9	1.8	6.15	0.967	0.304	0.688	0.57	<0.05
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	0.841	<0.5	0.956	<0.05	<0.05	0.744	0.222	0.081	<0.05	<0.05	<0.05
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			0.293	0.422	0.737	0.29	0.19	<0.005	0.002	<0.005	<0.001	<0.001	0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001						<0.0001	<0.0001						<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001						<0.0001							
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001						<0.0001	<0.0001						<0.0001

Table 1: Site Groundwater Analytical Results

Location Code	MW04	MW04	MW04	MW04	MW04	MW05	MW05	MW05	MW05	MW05	MW05	MW05
Sampled Date Time	12/03/2003	11/12/2003	16/09/2004	29/09/2005	2/08/2011	22/11/2001	12/03/2003	12/12/2003	10/03/2004	9/06/2004	15/09/2004	6/07/2011
Field ID	MW04	MW04	MW04	MW04	Q6653-01	MW05	MW05	MW05	MW05	MW05	MW05	Q8121-01
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation												
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001		0.267	0.267	0.258	0.179	0.17	0.14	<0.005	0.015	<0.005	0.007	0.006	0.003	<0.001
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.001	<0.2	<0.001	0.007	0.006	0.006	<0.001	<0.005	<0.001	0.003	0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.005	<0.2	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.2	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2				0.0015	<0.0001							<0.0001
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	0.015	<0.2	0.023	0.033	0.02	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001						<0.0001	<0.0001							<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.001	<0.2	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001
Bromoethane	mg/L	0.0001						<0.0001	<0.0001							<0.0001
Bromoethyne	mg/L	0.0001						<0.0001	<0.0001							<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.001	<0.2	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001
Bromomethane	mg/L	0.001			<0.01	<2	<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001
Carbon disulfide	mg/L	0.0001			<0.005	<0.2	<0.005			<0.005	0.005	<0.005	<0.005	<0.005	0.01	
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.2	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.001	<0.2	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.01	<2	<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001
Chloroform	mg/L	0.000001	0.25	0.25	0.267	0.49	0.345	0.3	0.19	<0.005	0.006	<0.005	<0.001	0.001	<0.001	<0.001
Chloromethane	mg/L	0.000001			<0.01	<2	<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001						0.0012	<0.0001							<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.523	1.11	2.06	1.6	6.4	0.295	0.467	0.105	0.183	0.166	0.058	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.002	<0.4	<0.002	<0.001	<0.001	<0.01	<0.002	<0.01	<0.002	<0.002	<0.002	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.2	<0.001			<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	
Dibenz(a,j)acridine	mg/L	0.001														
Dibromomethane	mg/L	0.0001			<0.001	<0.2	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.01	<2	<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397				0.3	<0.01							<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.04	<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001
Hexachloroethane	mg/L	0.0001			<0.02	<0.04	<0.1	<0.005		<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	
Iodomethane	mg/L	0.001			<0.001	<0.2	<0.001			<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	
Pentachloroethane	mg/L	0.0001			<0.005	<0.2	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Pyridine	mg/L	0.001														
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.22	0.418	1.28	0.24	0.18	<0.005	0.007	0.013	0.014	0.018	0.027	0.002
Tetrabromoethane	mg/L	0.0001						<0.0001	<0.0001							<0.0001
Tetrabromoethene	mg/L	0.0001						<0.0001	<0.0001							<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.539	5.74	2.11	0.77	0.53	0.015	0.06	0.027	0.051	0.055	0.112	0.035
Trihalomethanes	mg/L				0.0005 - 0.2685	0.1 - 0.79	0.0005 - 0.3465	0.0005 - 0.30015		<0.005	0.0005 - 0.0075	<0.005	<0.001	0.0005 - 0.0025	<0.001	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001						0.0003	<0.0001							<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			0.003	<0.2	0.005	0.008	0.008	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.002	<0.4	<0.002	<0.001	<0.001	<0.01	<0.002	<0.01	<0.002	<0.002	<0.002	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.2	<0.001			<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	
Tribromoethane	mg/L	0.0001						<0.0001								
1,1,2-Tribromoethene	mg/L	0.0001						0.0002	<0.0001							<0.0001
Trichlorofluoromethane	mg/L	0.000001			<0.01	<2	<0.01	<0.001	<0.001	<0.05	0.192	<0.05	0.081	0.074	0.017	0.005
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113				0.0001	<0.0001							<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.01	<2	<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW22i
Sampled Date Time	22/11/2001	11/03/2003	11/12/2003	10/03/2004	9/06/2004	15/09/2004	3/10/2005	31/03/2008	1/04/2009	31/05/2010	6/07/2011	22/11/2001
Field ID	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	Q4065-01	Q5660-06	Q5241-06	Q8121-02	MW22i
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
Heavy Metals															
Aluminium	mg/L	0.001	309	309								0.015			
Aluminium (Filtered)	mg/L	0.001	309	309						0.018			0.007	0.009	
Arsenic	mg/L	0.0005	0.00241	0.00241								0.0014			
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.002	0.002				0.0027			0.0062	0.0039	0.006
Cadmium	mg/L	0.0001	0.309	0.309								<0.0001			
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.001	<0.001				<0.0005			<0.0002	<0.0005	<0.001
Chromium	mg/L	0.0002	0.928	0.928								0.001			
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001	<0.001				<0.001			0.001	0.001	<0.001
Cobalt	mg/L	0.001													
Copper	mg/L	0.0005										0.0007			
Copper (Filtered)	mg/L	0.0005			0.025	<0.001							<0.001	<0.001	0.008
Iron (ferrous)	mg/L	0.05								34					
Iron	mg/L	0.001	217	217								51			
Iron (Filtered)	mg/L	0.001	217	217						40			38	30	
Lead	mg/L	0.001										<0.001			
Lead (Filtered)	mg/L	0.0001			<0.001	<0.001				<0.001			<0.001	<0.001	<0.001
Manganese	mg/L	0.001	14.2	14.2								0.034			
Manganese (Filtered)	mg/L	0.001	14.2	14.2						0.029			0.027	0.03	
Mercury	mg/L	0.0001										<0.0001			
Mercury (Filtered)	mg/L	0.00001			<0.001	<0.0001				<0.0005			<0.00006	<0.0005	<0.001
Nickel	mg/L	0.001	3.86	3.86								<0.001			
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.008	<0.001				0.003			0.014	0.009	0.004
Zinc	mg/L	0.001										2.3			
Zinc (Filtered)	mg/L	0.0005			0.038	0.007				0.065			0.014	0.022	0.005
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.5	<0.0005	<0.05	<0.05	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.5
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001									<0.005		<0.001		
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.01	<0.0005	<0.002	<0.02	<0.002	<0.01	<0.001	<0.001	<0.001	<0.001	<0.01
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.5 - 0.011	0.0136 - 0.015	<0.05 - 0.018	<0.02	<0.005 - 0.011	<0.01 - 0.0655	<0.005 - 0.013	0.012	0.009 - 0.011	0.011	0.009
1,3,5-Trichlorobenzene	mg/L	0.0001									<0.005		<0.001		
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.01	<0.0005	<0.05 - 0.002	<0.02	<0.002	<0.01	<0.001	<0.001	<0.001	<0.001	<0.01
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.01	<0.002 - 0.0022	<0.05 - 0.003	<0.02	<0.002	<0.01	<0.005 - 0.002	0.001	<0.001 - 0.001	0.001	<0.01
2-Chlorotoluene	mg/L	0.0001			<0.5	<0.0005	<0.05	<0.05	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.5
4-Chlorotoluene	mg/L	0.0005			<0.5	<0.0005	<0.05	<0.05	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.5
Bromobenzene	mg/L	0.0001			<0.5	<0.0005	<0.05	<0.05	<0.005	<0.05	<0.0001	<0.001	<0.0001	<0.0001	<0.5
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.2	<0.0005	<0.05	<0.05	<0.005	<0.05	0.002	0.002	0.001	0.001	<0.2
MAH															
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	0.255	0.417	0.534	<0.1	0.312	1.45	0.22	0.35	0.31	0.29	0.25
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.117	0.172	0.185	0.252	0.132	0.613	0.14	0.15	0.13	0.15	0.201
Benzene	mg/L	0.001	0.00274	0.00274	<0.1	0.015 - 0.018	<0.1	<0.1	<0.01	<0.1	0.013	0.014	0.008	0.007	<0.1
Ethylbenzene	mg/L	0.000001	9.33	3440	0.615	0.936 - 1.22	1.72	1.79	1.27	4.91	1.2	1	0.91	0.67	0.354
Isopropylbenzene	mg/L	0.000001	4.16	534	<0.5	0.016	<0.1	<0.1	0.012	<0.1	0.022	0.018	0.014	0.015	<0.5
n-Butylbenzene	mg/L	0.001			<0.5	0.002	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	0.007	<0.5
n-Propylbenzene	mg/L	0.000001	0.595	42.2	<0.5	0.031	<0.1	<0.1	<0.01	0.152	0.034	0.025	0.022	0.026	<0.5
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.5	0.038	<0.1	<0.1	<0.01	<0.1	0.022	0.019	0.018	0.02	<0.5
sec-Butylbenzene	mg/L	0.000001			<0.5	0.002	<0.1	<0.1	<0.01	<0.1	0.002	<0.001	<0.001	<0.001	<0.5
Styrene	mg/L	0.0001	0.9	585	<0.5	0.008	<0.1	<0.1	<0.01	<0.1	<0.001	0.091	<0.001	<0.001	<0.5
tert-Butylbenzene	mg/L	0.00001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001 - 0.12	<0.001	<0.001	<0.001	<0.5
Toluene	mg/L	0.000001	28.8	382	2.3	4.24 - 4.85	6.5	3.52	6.16	14.2	7.2	6.1	4.6	4.6	2
Xylenes (m & p)	mg/L	0.000001	89	122	2.91	3.43 - 3.71	5.03	5.61	3.82	13.3	3.2	2.3	1.6	1.6	0.9
Xylene (o)	mg/L	0.000001	89	122	1.16	1.86 - 1.91	3.27	3.11	2.2	7.9	2	1.9	1.3	0.92	0.98
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	4.07	5.62	8.3	8.72	6.02	21.2	5.2	4.2	2.9	2.52	1.88
PAH															
Naphthalene	mg/L	0.000001	1.89	23.7	<0.7 - 0.014	0.0224 - 0.023	<0.1 - 0.0246	<0.1 - 0.0254	0.023 - 0.0246	0.0252 - 0.123	0.02 - 0.022	0.021	0.014 - 0.023	0.022	0.013
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05													
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		9.3	97.6	25.9	34.5	19.5	53.9	66	39	11	14	9.5
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	43.5	9.91	53.2	41.6	82.4	47.3	11	25	1.3	12	13
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	1.01	0.692	2.21	2.26	2.62	2.04	<0.05	1.6	0.2	0.09	0.6
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	0.228	<0.05	<0.05	0.087	0.129	<0.05	<0.05	0.42	<0.05	<0.05	<0.05
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,1,1-Trichloroethane	mg/L	0.000001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,1,2,2-Tetrabromoethane	mg/L	0.0001									<0.0001		<0.0001	<0.0001	
1,1,2,2-Tetrabromoethene	mg/L	0.0001									<0.0001				
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,1,2-Tribromoethane	mg/L	0.0001									<0.0001		<0.0001	<0.0001	

Table 1: Site Groundwater Analytical Results

Location Code	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW22i
Sampled Date Time	22/11/2001	11/03/2003	11/12/2003	10/03/2004	9/06/2004	15/09/2004	3/10/2005	31/03/2008	1/04/2009	31/05/2010	6/07/2011	22/11/2001
Field ID	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	MW21i	Q4065-01	Q5660-06	Q5241-06	Q8121-02	MW22i
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,1-Dichloroethane	mg/L	0.000001			<0.5	0.096	0.166	0.166	0.054	0.3	0.09	0.12	0.059	0.04	0.049
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	0.009	0.016	0.017	0.011	0.01
1,1-Dichloropropene	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,2,3-Trichloropropane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.5	<0.005	<0.1	<0.1	<0.01	<0.1	<0.0001	<0.001	<0.0001	<0.0001	<0.5
1,2-Dibromoethane	mg/L	0.0001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.0001	<0.001	<0.0001	<0.0001	<0.5
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2							0.01		0.013	0.013	0.0058
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.5	0.003	<0.1	<0.1	<0.01	<0.1	0.003	0.004	<0.001	<0.001	<0.5
1,2-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
1,3-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
2,2-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.001	<0.5
Bromochloromethane	mg/L	0.0001									<0.0001	<0.001	<0.0001	<0.0001	
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.0001	<0.001	<0.0001	<0.0001	<0.5
Bromoethane	mg/L	0.0001									<0.0001		<0.0001	<0.0001	
Bromoethyne	mg/L	0.0001									<0.0001		<0.0001	<0.0001	
Bromoform	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.0001	<0.001	<0.0001	<0.0001	<0.5
Bromomethane	mg/L	0.001			<5	<0.01	<1	<1	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<5
Carbon disulfide	mg/L	0.0001			<0.5	<0.005	<0.1	<0.1	<0.01	<0.1					<0.5
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.001	<0.001	<0.001	<0.0007	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.0001	<0.001	<0.0001	<0.0001	<0.5
Chloroethane	mg/L	0.000001	0.0118	0.0118	<5	<0.01	<1	<1	<0.1	<1	0.005	0.008	<0.001	0.003	0.009
Chloroform	mg/L	0.000001	0.25	0.25	0.1	0.056	<0.1	<0.1	0.028	<0.1	0.009	0.057	0.024	0.022	0.01
Chloromethane	mg/L	0.000001			<5	<0.01	<1	<1	<0.1	<1	0.002	<0.001	<0.001	<0.001	<5
cis-1,2-Dibromoethene	mg/L	0.0001									0.0094		0.013	0.013	0.0057
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.131	0.596	1.24	0.986	0.34	1.75	0.59	0.79	0.41	0.61	0.47
cis-1,3-Dichloropropene	mg/L	0.001			<1	<0.002	<0.2	<0.2	<0.02	<0.2	<0.001	<0.001	<0.001	<0.001	<1
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1					<0.5
Dibenz(a,j)acridine	mg/L	0.001											<0.001		
Dibromomethane	mg/L	0.0001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	<0.0001	<0.001	<0.0001	<0.0001	<0.5
Dichlorodifluoromethane	mg/L	0.001			<5	<0.01	<1	<1	<0.1	<1	<0.001	<0.001	<0.001	<0.001	<5
Dichloromethane	mg/L	0.0001	0.0397	0.0397							<0.1	0.02	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.002	<0.001	<0.002	<0.02	<0.002	<0.01	<0.001	<0.001	<0.001	<0.001	<0.002
Hexachloroethane	mg/L	0.0001			<0.01	<0.002	<0.002	<0.02	<0.002	<0.01	<0.005		<0.001		<0.01
Iodomethane	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1					<0.5
Pentachloroethane	mg/L	0.0001			<0.5	<0.005	<0.1	<0.1	<0.01	<0.1	<0.005				<0.5
Pyridine	mg/L	0.001											<0.001		
Trichloroethene	mg/L	0.000001	0.0351	0.0351	<0.5	0.009	<0.1	<0.1	<0.01	0.129	0.006	0.011	0.009	0.001	<0.001
Tetrabromoethane	mg/L	0.0001									<0.0001		<0.0001	<0.0001	
Tetrabromoethene	mg/L	0.0001									<0.0001		<0.0001	<0.0001	
Tetrachloroethene	mg/L	0.000001	1.75	321	<0.5	0.036	<0.1	<0.1	0.022	0.25	0.022	0.038	0.029	0.007	<0.001
Trihalomethanes	mg/L				0.25 - 0.85	0.0005 - 0.0575	<0.1	<0.1	0.005 - 0.043	<0.1	0.0005 - 0.00915	0.0005 - 0.0585	0.02415	0.02215	0.01015
trans-1,2-Dibromoethene	mg/L	0.0001									0.0006		0.0005	<0.0001	0.0001
trans-1,2-dichloroethene	mg/L	0.000001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1	0.002	0.001	<0.001	<0.001	<0.5
trans-1,3-dichloropropene	mg/L	0.001			<1	<0.002	<0.2	<0.2	<0.02	<0.2	<0.001	<0.001	<0.001	<0.001	<1
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.5	<0.001	<0.1	<0.1	<0.01	<0.1					<0.5
Tribromoethane	mg/L	0.0001									<0.0001				
1,1,2-Tribromoethene	mg/L	0.0001									<0.0001		<0.0001	0.0003	<0.0001
Trichlorofluoromethane	mg/L	0.000001			<5	0.092	<1	<1	0.169	1.29	0.08	0.005	0.024	<0.001	<5
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113							0.038		0.041	0.079	0.081
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<5	<0.01	<1	<0.5	<0.05	<0.5	0.002	0.002	<0.001	<0.001	0.007

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i
Sampled Date Time	12/03/2003	11/12/2003	9/03/2004	9/06/2004	16/09/2004	3/10/2005	18/10/2006	1/04/2008	1/04/2008	2/04/2009	2/04/2009
Field ID	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	Q4066-05	Q4066-06	Q5662-02	Q5662-03
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309									0.58	0.55
Aluminium (Filtered)	mg/L	0.001	309	309						<0.005 - 0.018	<0.01 - 0.003			
Arsenic	mg/L	0.0005	0.00241	0.00241									0.0022	0.0021
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.005					<0.001 - 0.0041	0.002 - 0.0024			
Cadmium	mg/L	0.0001	0.309	0.309									<0.0001	<0.0001
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.001					<0.0001	<0.00005			
Chromium	mg/L	0.0002	0.928	0.928									0.0006	0.0006
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001					<0.001	<0.005 - 0.0041			
Cobalt	mg/L	0.001												
Copper	mg/L	0.0005											<0.0005	0.0005
Copper (Filtered)	mg/L	0.0005			<0.001						<0.001 - 0.0009			
Iron (ferrous)	mg/L	0.05								0.05 - 10	10 - 12			
Iron	mg/L	0.001	217	217									11	11
Iron (Filtered)	mg/L	0.001	217	217						29 - 38	12.1 - 15			
Lead	mg/L	0.001											<0.001	<0.001
Lead (Filtered)	mg/L	0.0001			<0.001					<0.001	<0.0001			
Manganese	mg/L	0.001	14.2	14.2									0.075	0.076
Manganese (Filtered)	mg/L	0.001	14.2	14.2						0.076 - 0.083	0.073 - 0.077			
Mercury	mg/L	0.0001											<0.0001	<0.0001
Mercury (Filtered)	mg/L	0.00001			<0.0001					<0.0001	<0.00001			
Nickel	mg/L	0.001	3.86	3.86									<0.001	<0.001
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.009					<0.001	0.026 - 0.028			
Zinc	mg/L	0.001											0.24	0.23
Zinc (Filtered)	mg/L	0.0005			<0.005					0.002 - 0.056	<0.005 - 0.012			
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001								<0.005	<0.0001		<0.001	<0.001
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.002 - 0.0024	<0.005 - 0.003	<0.002 - 0.0041	<0.002 - 0.0026	<0.0005	<0.005 - 0.0082	<0.005 - 0.006	0.003	0.003	0.003 - 0.004
1,3,5-Trichlorobenzene	mg/L	0.0001								<0.005	<0.0001		<0.001	<0.001
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.0005	<0.002	<0.0005	<0.0005	<0.002 - 0.0019	<0.001	<0.001 - 0.0002	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.0005	<0.002	<0.0005	<0.0005	<0.002 - 0.0027	<0.001 - 0.001	<0.005 - 0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.0001			<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.001	<0.001	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	0.0055 - 0.006	0.006	<0.0005	0.0063	0.0089	<0.001 - 0.008	0.008 - 0.009	0.009	0.008	0.005 - 0.006
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	0.282	0.683	<0.001	0.001	0.349	0.72 - 0.81	0.597 - 0.66	0.039	0.036	0.18 - 0.22
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.117	0.261	0.033	<0.001	0.132	0.22 - 0.42	0.25 - 0.252	0.022	0.021	0.084 - 0.1
Benzene	mg/L	0.001	0.00274	0.00274	0.014 - 0.015	0.029	0.013	0.01	0.052	0.025 - 0.031	0.026 - 0.03	0.013	0.012	0.011 - 0.012
Ethylbenzene	mg/L	0.000001	9.33	3440	0.625 - 0.635	0.351	0.026	0.091	0.103	0.66 - 0.71	0.65 - 0.67	0.13	0.12	0.28 - 0.34
Isopropylbenzene	mg/L	0.000001	4.16	534	0.027	0.06	<0.001	0.005	0.029	0.041 - 0.08	0.028 - 0.034	0.005	0.004	0.013 - 0.015
n-Butylbenzene	mg/L	0.001			0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.037	0.09	<0.001	0.005	0.028	0.07 - 0.16	0.044 - 0.05	0.009	0.008	0.016 - 0.016
p-Isopropyltoluene	mg/L	0.000001	4.5	529	0.017	0.29	<0.001	<0.001	0.111	0.21 - 0.44	0.12 - 0.14	0.011	0.01	0.079 - 0.11
sec-Butylbenzene	mg/L	0.000001			0.004	<0.005	<0.001	<0.001	<0.001	<0.001 - 0.007	<0.001	<0.001	0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	0.009	<0.005	<0.001	<0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001 - 0.25	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	0.053 - 0.069	1.07	0.021	0.006	0.74	2.7 - 3	1.4 - 1.47	0.009	0.009	0.047 - 0.055
Xylenes (m & p)	mg/L	0.000001	89	122	0.062 - 0.071	0.601	0.008	0.005	0.578	1.9 - 2	1.54 - 1.7	0.018	0.015	0.29 - 0.41
Xylene (o)	mg/L	0.000001	89	122	0.035 - 0.039	0.503	0.008	0.006	0.363	1.1 - 1.2	1.07 - 1.54	0.005	0.005	0.16 - 0.18
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	0.11	1.104	0.016	0.011	0.941	3 - 3.2	2.61 - 2.8	0.023	0.02	0.45 - 0.59
PAH														
Naphthalene	mg/L	0.000001	1.89	23.7	0.021 - 0.03	0.094 - 0.13	<0.007 - 0.0271	0.011 - 0.0244	0.029 - 0.0748	0.091 - 0.31	0.04 - 0.077	0.005	0.005	0.031 - 0.036 - 0.028 - 0.035
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05												
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		1.49	3.95	0.426	0.469	2.62	11 - 18	3.2 - 6.84	3.8	4.4	7.8 - 5.4
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	3.95	13.4	5.95	3.62	7.49	3.6 - 10	4.6 - 8.87	2.2	2.6	3.6 - 2.6
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	1.03	1.86	2.07	1.02	1.05	<0.05 - 0.99	0.28 - 1.6	0.99	1.1	0.71 - 0.17
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	0.084	<0.05	<0.05	<0.05	<0.05 - 0.08	0.18	0.23	<0.05 - <0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001								<0.0001	<0.0001			<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001								<0.0001	<0.0001			<0.0001
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001								<0.0001	<0.0001			<0.0001

Table 1: Site Groundwater Analytical Results

Location Code	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i
Sampled Date Time	12/03/2003	11/12/2003	9/03/2004	9/06/2004	16/09/2004	3/10/2005	18/10/2006	1/04/2008	1/04/2008	2/04/2009	2/04/2009
Field ID	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	MW22i	Q4066-05	Q4066-06	Q5662-02	Q5662-03
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.162	0.086	0.09	0.085	0.097	0.03 - 0.09	0.064 - 0.066	0.074	0.065	0.05
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.008	0.013	0.006	0.004	0.033	0.006 - 0.01	0.006 - 0.008	0.004	0.004	0.003
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.005	<0.005	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.001	<0.001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2						<0.0001 - 0.0002				<0.0001
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	0.004	<0.005	0.006	0.005	0.007	<0.001 - 0.003	<0.005 - 0.003	0.005	0.004	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001								<0.0001	<0.0001	<0.001	<0.001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001
Bromoethane	mg/L	0.0001								<0.0001	<0.0001			<0.0001
Bromoethyne	mg/L	0.0001								<0.0001	<0.0001			<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001
Bromomethane	mg/L	0.001			<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.0001			<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005			
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	0.037	0.055	<0.01	0.018	0.073	0.027 - 0.038	<0.05 - 0.028	0.01	0.008	0.008
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	<0.005	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.000001			<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001								<0.0001 - 0.0002	0.0002			<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.363	0.329	0.717	0.243	0.395	0.15 - 0.56	0.99 - 1.04	0.87	0.81	0.75
cis-1,3-Dichloropropene	mg/L	0.001			<0.002	<0.01	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001		<0.005			
Dibenz(a,j)acridine	mg/L	0.001												<0.001
Dibromomethane	mg/L	0.0001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397						<0.1 - 0.0036	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001
Hexachloroethane	mg/L	0.0001			<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.0001			<0.001
Iodomethane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.005				
Pentachloroethane	mg/L	0.0001			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0001			
Pyridine	mg/L	0.001												<0.001
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.003	<0.005	0.004	0.004	0.014	<0.001	<0.005 - 0.005	0.022	0.019	<0.001
Tetrabromoethane	mg/L	0.0001								<0.0001				<0.0001
Tetrabromoethene	mg/L	0.0001								<0.0001				<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.002	<0.005	<0.001	0.001	0.011	<0.001	<0.001	<0.001	<0.001	0.001
Trihalomethanes	mg/L				<0.001	<0.005	<0.001	<0.001	0.0005 - 0.0025	<0.001	<0.0003	<0.001	<0.004	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001								<0.0001				<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.005	<0.001	0.003	<0.001	0.002 - 0.0036	0.002 - 0.008	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.002	<0.01	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001		<0.005			
Tribromoethane	mg/L	0.0001								<0.0001				
1,1,2-Tribromoethene	mg/L	0.0001								<0.0001	<0.0001			<0.0001
Trichlorofluoromethane	mg/L	0.000001			<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113						<0.0001 - 0.0006	<0.0001 - 0.0005			<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001 - 0.004	<0.05 - 0.003	0.004	0.003	0.002

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW22i	MW22i	MW22i	MW22i	MW22i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i
Sampled Date Time	1/06/2010	1/06/2010	7/07/2011	7/07/2011	7/07/2011	22/11/2001	11/03/2003	12/12/2003	10/03/2004	8/06/2004	15/09/2004	29/09/2005
Field ID	Q5243-03	Q5243-04	Q8122-01	Q8122-02	Q8123 - 01	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
Heavy Metals															
Aluminium	mg/L	0.001	309	309											
Aluminium (Filtered)	mg/L	0.001	309	309	0.035	0.04	<0.001	0.003	<0.01						0.02
Arsenic	mg/L	0.0005	0.00241	0.00241											
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.0047	0.0051	0.0005	0.0005	<0.001	0.006	0.002				0.036
Cadmium	mg/L	0.0001	0.309	0.309											
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.0002	<0.0002	<0.0005	<0.0005	<0.0001	<0.001	<0.001				<0.0005
Chromium	mg/L	0.0002	0.928	0.928											
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001
Cobalt	mg/L	0.001													
Copper	mg/L	0.0005													
Copper (Filtered)	mg/L	0.0005			0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001				
Iron (ferrous)	mg/L	0.05													
Iron	mg/L	0.001	217	217											37
Iron (Filtered)	mg/L	0.001	217	217	7.6	7.9	7	7.1	10.1						49
Lead	mg/L	0.001													
Lead (Filtered)	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001
Manganese	mg/L	0.001	14.2	14.2											
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.071	0.074	0.06	0.062	0.058						0.019
Mercury	mg/L	0.0001													
Mercury (Filtered)	mg/L	0.00001			<0.00006	<0.00006	<0.0005	<0.0005	<0.0001	<0.001	<0.0001				<0.0005
Nickel	mg/L	0.001	3.86	3.86											
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.001	0.002	0.005	0.005	0.007	0.013	0.002				0.005
Zinc	mg/L	0.001													
Zinc (Filtered)	mg/L	0.0005			0.003	0.002	0.022	0.004	<0.005	0.018	0.004				0.067
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.0005	<0.005	<0.01	<0.0005	<0.0005
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001													<0.005
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.0005	<0.002	<0.002	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	0.004	0.003	0.003	0.004	<0.005	<0.002	<0.002 - 0.002	<0.002	<0.002	<0.0005	<0.0005
1,3,5-Trichlorobenzene	mg/L	0.0001													<0.005
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.0005	<0.002	<0.002	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	0.001	0.001	<0.001	<0.001	<0.005	<0.002	<0.0005	<0.002	<0.002	<0.0005	<0.002 - 0.0005
2-Chlorotoluene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.0005	<0.005	<0.01	<0.0005	<0.0005
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.0005	<0.005	<0.01	<0.0005	<0.0005
Bromobenzene	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0005	<0.005	<0.01	<0.0005	<0.0005
Chlorobenzene	mg/L	0.000001	2.74	80.3	0.008	0.007	0.006	0.008	0.007	<0.002	<0.0005	<0.005	<0.01	<0.0005	0.0047
MAH															
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	0.2	0.14	0.014	0.018	0.019	0.082	0.129	0.059	<0.02	0.022	0.125
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.071	0.048	0.008	0.01	0.009	0.015	0.052	0.017	<0.02	0.006	0.039
Benzene	mg/L	0.001	0.00274	0.00274	0.012	0.01	0.009	0.013	0.01	<0.005 - 0.0022	0.005 - 0.006	<0.005	<0.02	0.001	0.011
Ethylbenzene	mg/L	0.000001	9.33	3440	0.47	0.39	0.019	0.023	0.024	0.0638 - 0.064	0.223 - 0.229	0.318	0.398	0.081	0.288
Isopropylbenzene	mg/L	0.000001	4.16	534	0.014	0.009	0.002	0.002	<0.005	<0.005	0.009	<0.005	<0.02	0.001	0.01
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.001	<0.005	<0.02	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.032	0.018	0.002	0.003	<0.005	0.009	0.018	0.007	<0.02	0.002	0.015
p-Isopropyltoluene	mg/L	0.000001	4.5	529	0.038	0.035	0.007	0.009	<0.005	0.013	0.071	0.017	<0.02	0.009	0.032
sec-Butylbenzene	mg/L	0.000001			0.003	<0.001	<0.001	<0.001	<0.005	<0.005	0.001	<0.005	<0.02	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.003	<0.005	<0.02	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	0.006	0.006	0.003	0.004	0.004	0.121	0.636 - 0.727	0.977	0.934	0.056	2.04
Xylenes (m & p)	mg/L	0.000001	89	122	0.23	0.21	0.007	0.01	0.008	0.114	0.342 - 0.368	0.798	1.36	0.073	1.08
Xylene (o)	mg/L	0.000001	89	122	0.1	0.089	0.007	0.008	0.006	0.0486 - 0.049	0.233 - 0.239	0.38	0.595	0.034	0.427
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	0.33	0.299	0.014	0.018	0.014	0.163	0.607	1.178	1.955	0.107	1.507
PAH															
Naphthalene	mg/L	0.000001	1.89	23.7	0.027	0.028	0.003	0.003	<0.005	<0.007 - 0.003	0.022 - 0.0223	<0.007 - 0.0059	<0.02 - 0.0088	<0.007 - 0.0041	0.0071 - 0.009
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05			3.3	2.9	2.2	2.5							
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		1.1	0.96	0.11	0.12	0.9	1.62	14.9	2.04	6.56	0.399	5.9
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	2.1	1.9	1.6	1.9	1.74	1.17	3.71	1.78	1.92	0.392	1.26
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	0.05	0.05	0.43	0.54	1.27	0.444	0.568	<0.1	0.451	<0.1	0.223
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	<0.05	<0.05	<0.05	0.088	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.005	0.014	<0.001	<0.005	<0.02	<0.001	0.003
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.001						<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001													<0.0001
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001							<0.0001

Table 1: Site Groundwater Analytical Results

Location Code	MW22i	MW22i	MW22i	MW22i	MW22i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i
Sampled Date Time	1/06/2010	1/06/2010	7/07/2011	7/07/2011	7/07/2011	22/11/2001	11/03/2003	12/12/2003	10/03/2004	8/06/2004	15/09/2004	29/09/2005
Field ID	Q5243-03	Q5243-04	Q8122-01	Q8122-02	Q8123 - 01	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.041	0.02	0.033	0.041	0.034	0.096	0.281	0.054	<0.02	0.016	0.073
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.003	0.002	0.002	0.003	<0.005	0.012	0.009	0.009	<0.02	<0.001	0.019
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						0.016
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	0.003	0.003	0.002	0.003	<0.005	0.009	0.002	<0.005	<0.02	<0.001	0.007
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001							<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.0001
Bromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001							<0.0001
Bromoethyne	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001							<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.02	<0.001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.01	<0.05	<0.2	<0.01	<0.001
Carbon disulfide	mg/L	0.0001							<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	0.017
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.0007	<0.0007	<0.001	<0.001	<0.00005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	0.006	0.005	0.004	0.006	<0.05	<0.05	<0.01	<0.05	<0.2	<0.01	0.013
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	<0.001	<0.001	<0.001	<0.005	0.105	0.002	0.04	<0.02	<0.001	0.011
Chloromethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.01	<0.05	<0.2	<0.01	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						0.014
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.97	1.1	0.99	1.3	1.23	0.076	0.249	0.195	<0.02	0.03	0.165
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.01	<0.002	<0.01	<0.04	<0.002	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001							<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
Dibenz(a,j)acridine	mg/L	0.001													
Dibromomethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.02	<0.001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.01	<0.05	<0.2	<0.01	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397	<0.01	<0.01	<0.01	<0.01							<0.1
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001
Hexachloroethane	mg/L	0.0001								<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
Iodomethane	mg/L	0.001							<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
Pentachloroethane	mg/L	0.0001							<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005
Pyridine	mg/L	0.001													
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.002	0.002	0.005	0.007	0.007	0.052	<0.001	0.021	<0.02	<0.001	0.008
Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001							<0.0001
Tetrabromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001							<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	<0.001	<0.001	<0.001	<0.001	<0.005	0.104	<0.001	0.047	<0.02	<0.001	0.03
Trihalomethanes	mg/L				<0.0013	<0.0013	<0.0013	<0.0013		0.0025 - 0.1125	0.0005 - 0.0035	0.0025 - 0.0475	<0.02	<0.001	0.0005 - 0.0125
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						0.0015
trans-1,2-dichloroethene	mg/L	0.000001			0.001	0.001	<0.001	0.002	<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.005	<0.01	<0.002	<0.01	<0.04	<0.002	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001							<0.005	<0.005	<0.001	<0.005	<0.02	<0.001	<0.001
Tribromoethane	mg/L	0.0001													<0.0001
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						<0.0001
Trichlorofluoromethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.01	<0.05	<0.2	<0.01	0.028
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001	<0.0001	<0.0001	<0.0001	0.00019						0.051
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	0.003	0.003	0.002	0.004	<0.05	<0.05	<0.01	<0.05	<0.1	<0.01	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW25	MW25	MW25	MW25	MW25
Sampled Date Time	17/10/2006	30/03/2008	1/04/2009	23/09/2009	23/09/2009	31/05/2010	4/07/2011	12/03/2003	11/12/2003	9/03/2004	10/06/2004	16/09/2004
Field ID	MW23i	Q4064-03	Q5660-07	Q5211-01 Filtered	Q5211-02 Filtered	Q5241-05	Q8119-03	MW25	MW25	MW25	MW25	MW25
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309			0.22							
Aluminium (Filtered)	mg/L	0.001	309	309	<0.001				0.025	0.031				
Arsenic	mg/L	0.0005	0.00241	0.00241			0.04	0.027	0.029					
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.038				0.04	0.022	0.002			
Cadmium	mg/L	0.0001	0.309	0.309			0.0002	<0.0005	<0.0005					
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.00005				<0.0002	<0.0005	<0.001			
Chromium	mg/L	0.0002	0.928	0.928			0.0008	<0.001	<0.001					
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.0002				<0.001	<0.001	<0.001			
Cobalt	mg/L	0.001					0.001	0.001						
Copper	mg/L	0.0005					0.0013	0.001	0.001					
Copper (Filtered)	mg/L	0.0005			0.0005				<0.001	<0.001	0.001			
Iron (ferrous)	mg/L	0.05			25									
Iron	mg/L	0.001	217	217			27							
Iron (Filtered)	mg/L	0.001	217	217	48				25	39				
Lead	mg/L	0.001					<0.001	<0.001	<0.001					
Lead (Filtered)	mg/L	0.0001			<0.0001				<0.001	<0.001	<0.001			
Manganese	mg/L	0.001	14.2	14.2			0.027							
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.052				0.031	0.077				
Mercury	mg/L	0.0001					<0.0001							
Mercury (Filtered)	mg/L	0.00001			<0.00001				<0.00006	<0.0005	<0.0001			
Nickel	mg/L	0.001	3.86	3.86			<0.001	0.008	0.005					
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.087				0.002	0.027	0.002			
Zinc	mg/L	0.001					0.31	0.11	0.14					
Zinc (Filtered)	mg/L	0.0005			0.012				0.002	0.037	<0.005			
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001		<0.001	<0.001	<0.0005	<0.005	<0.0005	<0.0005
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001			<0.0001									
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.0001	<0.001	<0.001		<0.001	<0.001	<0.0005	<0.002	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	0.002	0.002	0.002		0.001	<0.001	<0.0005	<0.002	<0.0005	<0.002 - 0.0013
1,3,5-Trichlorobenzene	mg/L	0.0001			<0.0001									<0.002 - 0.0011
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.0001	<0.001	<0.001		<0.001	<0.001	<0.0005	<0.002	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.001 - 0.0002	<0.001	<0.001		<0.001	<0.001	<0.0005	<0.002	<0.0005	<0.0005
2-Chlorotoluene	mg/L	0.0001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.0005	<0.005	<0.0005	0.001
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001		<0.001	<0.001	<0.0005	<0.005	<0.0005	<0.0005
Bromobenzene	mg/L	0.0001			<0.0001	<0.001	<0.0001		<0.0001	<0.0001	<0.0005	<0.005	<0.0005	<0.0005
Chlorobenzene	mg/L	0.000001	2.74	80.3	0.003	0.002	0.002		0.001	<0.001	<0.0005	<0.005	<0.0005	<0.0005
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	0.087	0.053	0.057		0.047	<0.001	<0.001	<0.005	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.028	0.015	0.017		0.009	<0.001	0.004	<0.005	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	0.007	0.005	0.005		0.005	0.003	<0.001	<0.005	<0.001	0.003
Ethylbenzene	mg/L	0.000001	9.33	3440	0.36	0.22	0.29		0.24	0.004	0.039 - 0.043	<0.005	<0.001	<0.001
Isopropylbenzene	mg/L	0.000001	4.16	534	0.007	0.004	0.006		0.002	<0.001	<0.001	<0.005	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.011	0.005	0.006		0.002	<0.001	0.001	<0.005	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.000001	4.5	529	0.035	0.003	0.007		0.001	<0.001	<0.001	<0.005	<0.001	<0.001
sec-Butylbenzene	mg/L	0.000001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	0.003	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	0.17	0.026	0.04		0.008	0.001	0.005 - 0.006	0.005	<0.001	0.003
Xylenes (m & p)	mg/L	0.000001	89	122	1.2	0.026	0.27		0.12	<0.001	0.047 - 0.051	0.007	<0.001	0.001
Xylene (o)	mg/L	0.000001	89	122	0.44	0.013	0.18		0.089	<0.001	0.058 - 0.068	<0.005	<0.001	0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	1.64	0.039	0.45		0.209	<0.002	0.119	0.0095	<0.002	0.002
PAH														
Naphthalene	mg/L	0.000001	1.89	23.7	0.009 - 0.012	0.007	0.005		0.003	<0.001	<0.007 - 0.0002	<0.0001	<0.0001	<0.007 - 0.0013
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05				1.9	1.3		0.75	0.17				
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		<0.01	0.78	0.88		0.33	<0.01	0.171	<0.02	<0.02	<0.02
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	1.2	1.1	0.37		0.42	0.17	0.081	<0.05	<0.05	0.056
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	0.12	<0.05	<0.05		<0.05	<0.05	0.18	0.273	<0.1	<0.1
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	<0.05		<0.05	<0.05	0.165	0.108	<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001		<0.0001		<0.0001	<0.0001				
1,1,2,2-Tetrabromoethene	mg/L	0.0001			<0.0001									
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001		<0.0001		<0.0001	<0.0001				

Table 1: Site Groundwater Analytical Results

Location Code	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW23i	MW25	MW25	MW25	MW25	MW25
Sampled Date Time	17/10/2006	30/03/2008	1/04/2009	23/09/2009	23/09/2009	31/05/2010	4/07/2011	12/03/2003	11/12/2003	9/03/2004	10/06/2004	16/09/2004
Field ID	MW23i	Q4064-03	Q5660-07	Q5211-01 Filtered	Q5211-02 Filtered	Q5241-05	Q8119-03	MW25	MW25	MW25	MW25	MW25
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.039	0.032	0.026			0.02	0.007	<0.001	<0.005	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.003	0.003	0.006			0.002	<0.001	<0.001	<0.005	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.001	<0.0001			<0.0001	<0.0001	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.005	<0.001	<0.001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2			0.0015			0.0003	<0.0001				
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.001	0.002	<0.001			0.002	0.001	<0.001	<0.005	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.001	<0.0001			<0.0001	<0.0001				
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.005	<0.001	<0.001
Bromoethane	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001				
Bromoethyne	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001				
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.005	<0.001	<0.001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.01	<0.05	<0.01	<0.01
Carbon disulfide	mg/L	0.0001										<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001			<0.0007	<0.001	<0.001	<0.005	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.005	<0.001	<0.001
Chloroethane	mg/L	0.000001	0.0118	0.0118	0.003	0.001	0.008			0.003	<0.001	<0.01	<0.05	<0.01	<0.01
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	<0.001	<0.001			<0.001	<0.001	0.001	<0.005	<0.001	<0.001
Chloromethane	mg/L	0.000001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.01	<0.05	<0.01	<0.01
cis-1,2-Dibromoethene	mg/L	0.0001			<0.0001		0.0014			0.0003	<0.0001				
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.18	0.21	0.21			0.21	0.086	0.002	<0.005	<0.001	0.007
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.002	<0.01	<0.002	<0.002
cis-1,4-Dichloro-2-butene	mg/L	0.001										<0.001	<0.005	<0.001	<0.001
Dibenz(a,j)acridine	mg/L	0.001													
Dibromomethane	mg/L	0.0001			<0.0001	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.005	<0.001	<0.001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.01	<0.05	<0.01	<0.01
Dichloromethane	mg/L	0.0001	0.0397	0.0397	<0.01	<0.01	<0.01			<0.01	<0.01				
Hexachlorobutadiene	mg/L	0.0001			<0.0001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Hexachloroethane	mg/L	0.0001			<0.0001							<0.002	<0.002	<0.002	<0.002
Iodomethane	mg/L	0.001										<0.001	<0.005	<0.001	<0.001
Pentachloroethane	mg/L	0.0001			<0.0001							<0.005	<0.005	<0.005	<0.005
Pyridine	mg/L	0.001													
Trichloroethene	mg/L	0.000001	0.0351	0.0351	<0.001	0.003	0.002			<0.001	0.001	<0.001	<0.005	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001					<0.0001			<0.0001	<0.0001				
Tetrabromoethene	mg/L	0.0001					<0.0001			<0.0001	<0.0001				
Tetrachloroethene	mg/L	0.000001	1.75	321	0.001	0.001	0.004			<0.001	<0.001	0.005	<0.005	<0.001	0.002
Trihalomethanes	mg/L				<0.001	<0.001	<0.0013			<0.0013	<0.0013	0.0005 - 0.0025	<0.005	<0.001	<0.001
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001		0.0001			<0.0001	<0.0001				
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.002	<0.01	<0.002	<0.002
trans-1,4-Dichloro-2-butene	mg/L	0.001										<0.001	<0.005	<0.001	<0.001
Tribromoethane	mg/L	0.0001													
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001		<0.0001			0.0003	<0.0001				
Trichlorofluoromethane	mg/L	0.000001			<0.001	<0.001	<0.001			<0.001	<0.001	<0.01	<0.05	<0.01	<0.01
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	0.0004		0.0036			0.0027	<0.0001				
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	0.001	<0.001	0.002			0.001	<0.001	<0.01	<0.05	<0.01	<0.01

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW25	MW25	MW25	MW25	MW25	MW25	MW25	MW27	MW27	MW27	MW27	MW28
Sampled Date Time	28/09/2005	30/03/2008	13/10/2008	13/10/2008	2/04/2009	1/06/2010	6/07/2011	11/03/2003	22/09/2005	15/10/2006	5/07/2011	10/03/2003
Field ID	MW25	Q4064-05	Q4981-04	Q4981-05	Q5662-05	Q5243-01	Q8121-05	MW27	MW27	MW27	Q8120-02	MW28
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
Heavy Metals															
Aluminium	mg/L	0.001	309	309					0.34						
Aluminium (Filtered)	mg/L	0.001	309	309	0.016				0.012	0.005		0.008	<0.001	<0.001	
Arsenic	mg/L	0.0005	0.00241	0.00241				<0.0005							
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	<0.0005				<0.0005	<0.0005	0.002	0.0024	0.001	<0.0005	<0.001
Cadmium	mg/L	0.0001	0.309	0.309				<0.0001							
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.0005				<0.0002	<0.0005	<0.001	<0.0005	<0.00005	<0.0005	<0.001
Chromium	mg/L	0.0002	0.928	0.928				0.0015							
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001				0.001	0.002	<0.001	<0.001	<0.0002	<0.001	<0.001
Cobalt	mg/L	0.001													
Copper	mg/L	0.0005						<0.0005							
Copper (Filtered)	mg/L	0.0005							0.084	0.001	0.004		<0.0005	<0.001	0.001
Iron (ferrous)	mg/L	0.05			<0.1							<0.05	0.17		
Iron	mg/L	0.001	217	217				0.21							
Iron (Filtered)	mg/L	0.001	217	217	0.002				0.023	0.25		0.65	0.18	0.1	
Lead	mg/L	0.001						0.002							
Lead (Filtered)	mg/L	0.0001			<0.001				<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001
Manganese	mg/L	0.001	14.2	14.2				0.1							
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.048				0.075	0.059		0.095	0.071	0.072	
Mercury	mg/L	0.0001						<0.0001							
Mercury (Filtered)	mg/L	0.00001			<0.0005				<0.00006	<0.0005	<0.0001	<0.0005	<0.00001		<0.0001
Nickel	mg/L	0.001	3.86	3.86				<0.001							
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	<0.001				0.001	0.012	0.002	<0.001	0.011	<0.001	0.005
Zinc	mg/L	0.001						0.25							
Zinc (Filtered)	mg/L	0.0005			0.11				0.005	0.015	0.004	0.06	0.0059	0.02	0.02
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.0005
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001			<0.005							<0.005	<0.0001	<0.0001	
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005 - 0.002	<0.001	<0.0001	<0.0005
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005 - 0.141	<0.001	<0.0001	0.006 - 0.0065
1,3,5-Trichlorobenzene	mg/L	0.0001			<0.005							<0.005	<0.0001	<0.0001	
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005 - 0.018	<0.001	<0.0001	0.016
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005 - 0.032	<0.001	<0.0001	0.003
2-Chlorotoluene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.0005
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.0005
Bromobenzene	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0005	<0.001	<0.0001	<0.0005
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002 - 0.0014	<0.001	<0.001	0.0031 - 0.004
MAH															
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	<0.001	0.012	0.007	0.007	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.013
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	<0.001	0.004	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	0.051	0.024	0.026	0.027	0.001	<0.001	<0.001	<0.001	<0.001	0.002 - 0.003
Ethylbenzene	mg/L	0.000001	9.33	3440	<0.001	0.009	0.009	0.009	0.005	<0.001	0.002	<0.001	<0.001	<0.001	0.005
Isopropylbenzene	mg/L	0.000001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
sec-Butylbenzene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.009 - 0.011	<0.001	<0.001	0.016 - 0.018
Xylenes (m & p)	mg/L	0.000001	89	122	<0.001	0.012	0.025	0.025	0.009	<0.001	0.008	0.004	<0.001	<0.001	0.032 - 0.035
Xylene (o)	mg/L	0.000001	89	122	<0.001	0.002	0.002	0.002	<0.001	<0.001	0.003	<0.002 - 0.001	<0.001	<0.001	0.022 - 0.026
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	<0.002	0.014	0.027	0.027	0.0095	<0.002	0.011	0.005	<0.002	<0.002	0.061
PAH															
Naphthalene	mg/L	0.000001	1.89	23.7	<0.001	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.0001	<0.007 - 0.0006
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05				1.1	<0.05	0.07	0.46	<0.05	<0.05			<0.05	
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		0.07	0.82	0.01	0.04	0.19	<0.01	0.02	<0.02	<0.01	<0.01	3.31
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	0.02	0.24	0.01	0.04	0.13	<0.01	<0.01	<0.05	<0.01	<0.01	1.7
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.1	<0.05	<0.05	0.895
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.333
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	
1,1,2,2-Tetrabromoethene	mg/L	0.0001			<0.0001								<0.0001	<0.0001	
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	

Table 1: Site Groundwater Analytical Results

Location Code	MW25	MW25	MW25	MW25	MW25	MW25	MW25	MW27	MW27	MW27	MW27	MW28
Sampled Date Time	28/09/2005	30/03/2008	13/10/2008	13/10/2008	2/04/2009	1/06/2010	6/07/2011	11/03/2003	22/09/2005	15/10/2006	5/07/2011	10/03/2003
Field ID	MW25	Q4064-05	Q4981-04	Q4981-05	Q5662-05	Q5243-01	Q8121-05	MW27	MW27	MW27	Q8120-02	MW28
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.069
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.41
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.005	<0.001	<0.0001	<0.005
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2	<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.074
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001		<0.001	<0.0001	
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	0.005
Bromoethane	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
Bromoethyne	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	0.002
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
Carbon disulfide	mg/L	0.0001										<0.005			<0.005
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	1.86
Chloromethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
cis-1,2-Dibromoethene	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.644
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002
cis-1,4-Dichloro-2-butene	mg/L	0.001										<0.001			<0.001
Dibenz(a,j)acridine	mg/L	0.001													
Dibromomethane	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
Dichloromethane	mg/L	0.0001	0.0397	0.0397	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001
Hexachloroethane	mg/L	0.0001			<0.005							<0.002	<0.005	<0.0001	<0.002
Iodomethane	mg/L	0.001										<0.001			<0.001
Pentachloroethane	mg/L	0.0001			<0.005							<0.005	<0.005	<0.0001	<0.005
Pyridine	mg/L	0.001													
Trichloroethene	mg/L	0.000001	0.0351	0.0351	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.419
Tetrabromoethane	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
Tetrabromoethene	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
Tetrachloroethene	mg/L	0.000001	1.75	321	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.811
Trihalomethanes	mg/L				<0.001	<0.001	<0.004	<0.004	<0.0013	<0.0013	<0.0013	0.0005 - 0.0035	<0.001	<0.001	0.0005 - 1.8675
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002
trans-1,4-Dichloro-2-butene	mg/L	0.001										<0.001			<0.001
Tribromoethane	mg/L	0.0001			<0.0001										
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	
Trichlorofluoromethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.23
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 1: Site Groundwater Analytical Results

Location Code	MW28	MW28	MW44	MW44	MW44	MW44	MW44	MW44
Sampled Date Time	18/10/2006	4/07/2011	12/03/2003	11/12/2003	9/03/2004	9/06/2004	15/09/2004	6/07/2011
Field ID	MW28	Q8119-04	MW44	MW44	MW44	MW44	MW44	Q8121-04
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation								
Heavy Metals												
Aluminium	mg/L	0.001	309	309								
Aluminium (Filtered)	mg/L	0.001	309	309	<0.001	<0.001						0.001
Arsenic	mg/L	0.0005	0.00241	0.00241								
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.006	0.0018	0.005					0.012
Cadmium	mg/L	0.0001	0.309	0.309								
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.00005	<0.0005	<0.001					<0.0005
Chromium	mg/L	0.0002	0.928	0.928								
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	0.0022	<0.001	<0.001					<0.001
Cobalt	mg/L	0.001										
Copper	mg/L	0.0005										
Copper (Filtered)	mg/L	0.0005			0.0056	<0.001	<0.001					0.001
Iron (ferrous)	mg/L	0.05			9.4							
Iron	mg/L	0.001	217	217								
Iron (Filtered)	mg/L	0.001	217	217	9.9	1.2						70
Lead	mg/L	0.001										
Lead (Filtered)	mg/L	0.0001			<0.0001	<0.001	<0.001					<0.001
Manganese	mg/L	0.001	14.2	14.2								
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.021	0.01						0.036
Mercury	mg/L	0.0001										
Mercury (Filtered)	mg/L	0.00001			<0.00001	<0.0005	0.0005					<0.0005
Nickel	mg/L	0.001	3.86	3.86								
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.03	0.007	0.005					0.005
Zinc	mg/L	0.001										
Zinc (Filtered)	mg/L	0.0005			0.03	<0.001	0.02					0.016
Halogenated Benzenes												
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001										
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.001	<0.0005	<0.04	<0.01	<0.002	<0.01	<0.001
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	0.003	0.002	<0.0005	<0.04	<0.01	0.0178 - 0.019	<0.5 - 0.02	0.011
1,3,5-Trichlorobenzene	mg/L	0.0001										
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	0.003	0.004	<0.0005	<0.04	<0.01	<0.002	<0.01	<0.001
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	0.001	0.001	<0.0005	<0.04	<0.01	<0.002	<0.01	0.001
2-Chlorotoluene	mg/L	0.0001			<0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001
Bromobenzene	mg/L	0.0001			<0.001	<0.0001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	0.006
MAH												
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	0.017	0.012	0.698	0.984	<0.2	0.757	3.27	0.65
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.006	0.002	0.178	0.264	<0.2	0.216	1.09	0.21
Benzene	mg/L	0.001	0.00274	0.00274	0.004	0.001	0.095 - 0.099	<0.2	<0.2	0.028	<1	0.04
Ethylbenzene	mg/L	0.000001	9.33	3440	0.011	0.002	13.9 - 14.2	11.8	11	8.54	23	8.9
Isopropylbenzene	mg/L	0.000001	4.16	534	<0.001	<0.001	0.099	<0.2	<0.2	0.057	<1	0.083
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	0.003	<0.2	<0.2	<0.01	<1	0.005
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.001	<0.001	0.088	<0.2	<0.2	<0.01	<1	0.1
p-Isopropyltoluene	mg/L	0.000001	4.5	529	0.001	<0.001	0.007	<0.2	<0.2	<0.01	<1	0.2
sec-Butylbenzene	mg/L	0.000001			<0.001	<0.001	0.006	<0.2	<0.2	<0.01	<1	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	<0.001	0.26	<0.2	<0.2	<0.01	<1	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
Toluene	mg/L	0.000001	28.8	382	0.041	0.003	90.4 - 93.6	81	28.9	57.5	94.2	65
Xylenes (m & p)	mg/L	0.000001	89	122	0.012	0.005	57.8 - 60.5	39.7	42.2	33.5	85.8	38
Xylene (o)	mg/L	0.000001	89	122	0.023	0.008	19.8 - 20.1	18.1	16.5	13	32.5	15
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	0.035	0.013	80.6	57.8	58.7	46.5	118.3	53
PAH												
Naphthalene	mg/L	0.000001	1.89	23.7	<0.001	<0.001	<0.001 - 0.016	<0.2 - 0.0262	<0.2 - 0.0501	0.075 - 0.079	<1 - 0.0546	0.029
Total Petroleum Hydrocarbons												
Total C6-C36	mg/L	0.05					0.6					190
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		0.5	0.1	275	213	205	120	215	180
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	2.6	0.4	137	125	89.5	78.5	57.4	6.6
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	0.95	0.1	9.34	3.54	3.07	3.59	2.63	0.65
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	4.29	<0.5	<0.05	0.189	0.147	<0.05
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			0.008	<0.001	0.098	<0.2	<0.2	0.022	<1	0.015
1,1,2,2-Tetrabromoethane	mg/L	0.0001				<0.0001						<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001										
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
1,1,2-Tribromoethane	mg/L	0.0001				<0.0001						<0.0001

Table 1: Site Groundwater Analytical Results

Location Code	MW28	MW28	MW44	MW44	MW44	MW44	MW44	MW44
Sampled Date Time	18/10/2006	4/07/2011	12/03/2003	11/12/2003	9/03/2004	9/06/2004	15/09/2004	6/07/2011
Field ID	MW28	Q8119-04	MW44	MW44	MW44	MW44	MW44	Q8121-04
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation								
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.046	0.025	0.158	<0.2	<0.2	0.047	<1	0.071
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.047	0.038	<0.001	<0.2	<0.2	<0.01	<1	0.014
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.001	<0.0001	<0.005	<0.2	<0.2	<0.01	<1	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2		0.067						<0.0001
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	0.004	0.03	0.023	<0.2	<0.2	<0.01	<1	0.006
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
Bromochloromethane	mg/L	0.0001			<0.001	<0.0001						<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001
Bromoethane	mg/L	0.0001				<0.0001						<0.0001
Bromoethyne	mg/L	0.0001				<0.0001						<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.01	<2	<2	<0.1	<10	<0.001
Carbon disulfide	mg/L	0.0001					0.029	<0.2	<0.2	<0.01	<1	
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.001	<0.001	<0.01	<2	<2	<0.1	<10	0.001
Chloroform	mg/L	0.000001	0.25	0.25	0.099	0.15	0.379	0.6	0.487	0.156	1.37	0.11
Chloromethane	mg/L	0.000001			<0.001	<0.001	<0.01	<2	<2	<0.1	<10	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001				0.052						<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	1.1	0.37	0.64	1.11	1.29	0.415	2.46	1.3
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.002	<0.4	<0.4	<0.02	<2	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001					<0.001	<0.2	<0.2	<0.01	<1	
Dibenz(a,j)acridine	mg/L	0.001										
Dibromomethane	mg/L	0.0001			<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.01	<2	<2	<0.1	<10	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397	<0.01	<0.01						0.05
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.04	<0.01	<0.002	<0.01	<0.001
Hexachloroethane	mg/L	0.0001					<0.02	<0.04	<0.01	<0.002	<0.01	
Iodomethane	mg/L	0.001					<0.001	<0.2	<0.2	<0.01	<1	
Pentachloroethane	mg/L	0.0001					<0.005	<0.2	<0.2	<0.01	<1	
Pyridine	mg/L	0.001										
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.04	0.11	0.065	<0.2	<0.2	<0.01	<1	0.063
Tetrabromoethane	mg/L	0.0001				<0.0001						<0.0001
Tetrabromoethene	mg/L	0.0001				<0.0001						<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.069	0.22	0.214	0.29	<0.2	0.108	1.76	0.17
Trihalomethanes	mg/L				0.0005 - 0.1005	0.15015	0.0005 - 0.3805	0.1 - 0.9	0.1 - 0.787	0.005 - 0.171	0.5 - 2.87	0.11015
trans-1,2-Dibromoethene	mg/L	0.0001				0.016						<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			0.001	<0.001	0.001	<0.2	<0.2	<0.01	<1	0.004
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.002	<0.4	<0.4	<0.02	<2	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001					<0.001	<0.2	<0.2	<0.01	<1	
Tribromoethane	mg/L	0.0001										
1,1,2-Tribromoethene	mg/L	0.0001				<0.0001						<0.0001
Trichlorofluoromethane	mg/L	0.000001			0.014	0.069	<0.01	<2	<2	<0.1	<10	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113		0.042						<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	0.001	<0.001	<0.01	<2	<1	<0.05	<5	0.002

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42
Sampled Date Time	7/03/2003	10/03/2003	28/09/2005	15/10/2006	25/03/2008	1/04/2009	1/04/2009	1/04/2009	1/04/2009	31/05/2010	31/05/2010	31/05/2010	28/06/2011	28/06/2011
Field ID	MW42	MW42	MW42	MW42	Q4061-01	Q5660-02	Q5660-03	Q5661 - 01	Q5241-01	Q5241-02	Q5242-01	Q8115-03	Q8115-04	
Monitoring Zone	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation														
Halogenated Benzenes																		
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001					<0.005	<0.0001										
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.0005	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,2-Dichlorobenzene	mg/L	0.00005	39.6	60.5	<0.0005	<0.0005	<0.001	0.0027 - 0.003	0.002	0.001	0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,3,5-Trichlorobenzene	mg/L	0.0001					<0.005	<0.0001										
1,3-Dichlorobenzene	mg/L	0.00005	16.8	16.8	<0.0005	<0.0005	<0.001	<0.001 - 0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,4-Dichlorobenzene	mg/L	0.00005	0.00373	0.00373	<0.0005	<0.0005	<0.001	<0.001 - 0.0004	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
2-Chlorotoluene	mg/L	0.0005			<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
4-Chlorotoluene	mg/L	0.0005			<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
Bromobenzene	mg/L	0.0001			<0.0005	<0.0005	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.0005	<0.0005	0.001	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
MAH																		
1,2,4-trimethylbenzene	mg/L	0.001	2.11	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,3,5-Trimethylbenzene	mg/L	0.001	2.76	8.65	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	
Ethylbenzene	mg/L	0.00005	9.33	3440	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.002	<0.001	<0.001	
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
Toluene	mg/L	0.001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.002	<0.001	<0.001	
Xylenes (m & p)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.002	<0.001	<0.001	
Xylene (o)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.002	<0.001	<0.001	
Xylenes (Sum of m,p & o)	mg/L	0.002	89	122	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.004	<0.002	<0.002	
PAH																		
Napthalene	mg/L	0.0001	1.89	23.7	<0.0001	<0.007	<0.001	<0.001 - 0.0001	<0.001	<0.001	<0.001	<0.007	<0.001	<0.001	<0.007	<0.001	<0.001	
Total Petroleum Hydrocarbons																		
Total C6-C36	mg/L	0.05							2.2	0.21	0.34		<0.05	<0.05		<0.05	<0.05	
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		0.158		0.1	<0.01	0.11	0.04	<0.01	0.24	<0.01	<0.01	0.25	<0.01	<0.01	
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.05		0.21	0.15	0.56	0.04	0.09	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01	
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	0.204		<0.05	0.33	1.5	0.12	0.25	0.5	<0.05	<0.05	0.67	<0.05	<0.05	
TPH C29-C36 Fraction	mg/L	0.00005	13.1	46200	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	0.16	<0.05	<0.05	
Volatile Organic Compounds																		
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,1,2,2-Tetrabromoethane	mg/L	0.0001					<0.0001	<0.0001		<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	
1,1,2,2-Tetrabromoethene	mg/L	0.0001					<0.0001	<0.0001										
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,1,2-Tribromoethane	mg/L	0.0001					<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,1-Dichloroethane	mg/L	0.000001			0.006	0.006	0.005	0.006	0.006	0.005	0.004	<0.005	0.004	0.005	<0.005	0.004	0.004	
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.005	<0.005	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2			0.0001			<0.0001	<0.0001	0.00016	0.0008	0.0006	0.00111	0.0019	0.0016	
1,2-Dichloroethane	mg/L	0.001	0.00126	0.00126	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<										

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42	MW42
Sampled Date Time	7/03/2003	10/03/2003	28/09/2005	15/10/2006	25/03/2008	1/04/2009	1/04/2009	1/04/2009	31/05/2010	31/05/2010	31/05/2010	28/06/2011	28/06/2011
Field ID	MW42	MW42	MW42	MW42	Q4061-01	Q5660-02	Q5660-03	Q5661 - 01	Q5241-01	Q5241-02	Q5242-01	Q8115-03	Q8115-04
Monitoring Zone	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation												
cis-1,3-Dichloropropene	mg/L	0.001			<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.001						<0.005			<0.005	
Dibromomethane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.05	<0.001
Dichloromethane	mg/L	0.01	0.0397	0.0397			<0.1	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.021	0.021	0.14	0.17	0.17	0.067	0.064	0.085	0.024	0.025	0.032	0.018
Tetrabromoethane	mg/L	0.0001					<0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
Tetrabromoethene	mg/L	0.0001					<0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.028	0.028	0.041	0.063	0.064	0.021	0.018	0.035	0.013	0.013	0.013	0.014
Trihalomethanes	mg/L				0.007 - 0.086	0.085	0.0005 - 0.00415	0.0005 - 0.00515	<0.001	0.00215	0.00215	<0.0151	0.00115	0.00115	<0.0151	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001					<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0005
trans-1,2-dichloroethene	mg/L	0.000001			0.003	0.003	0.067	0.08	0.051	0.015	0.015	0.023	0.005	0.005	0.006	0.003
trans-1,3-dichloropropene	mg/L	0.001			<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.001	<0.001						<0.005			<0.005	
Tribromoethane	mg/L	0.0001					<0.0001									
1,1,2-Tribromoethene	mg/L	0.0001					<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.001			<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.05	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113			0.0013	<0.0001		<0.0001	<0.0001	0.00049	0.0007	0.0008	0.00038	<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.01	<0.01	0.002	0.002	0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.05	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MWG47	MWG47	MWG47	MWG47	MWG48	MWG48	MWG48	MWG48	MWG49	MWG49	MWG49	MWG49	MWG49
Sampled Date Time	22/09/2005	12/10/2006	25/05/2010	27/06/2011	22/09/2005	12/10/2006	25/05/2010	27/06/2011	22/09/2005	12/10/2006	19/03/2008	26/03/2009	25/05/2010
Field ID	MWG47	MWG47	Q5238-01	Q8114-02	MWG48	MWG48	Q5238-03	Q8114-04	MWG49	MWG49	Q4060-02	Q5655-02	Q5238-04
Monitoring Zone	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation													
Halogenated Benzenes																	
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001			<0.005				<0.005			<0.005					
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.00005	39.6	60.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001			<0.005				<0.005			<0.005					
1,3-Dichlorobenzene	mg/L	0.00005	16.8	16.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.00005	0.00373	0.00373	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MAH																	
1,2,4-trimethylbenzene	mg/L	0.001	2.11	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	2.76	8.65	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	0.006	<0.001	0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.00005	9.33	3440	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.002	89	122	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
PAH																	
Napthalene	mg/L	0.0001	1.89	23.7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Petroleum Hydrocarbons																	
Total C6-C36	mg/L	0.05					<0.05	<0.05			<0.05	<0.05			<0.05	<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.00005	13.1	46200	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.007	0.003	0.002	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001					<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001															
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001					<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	0.012	0.003	0.002	0.004	0.042	0.053	0.025	0.017	0.008
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.016	0.011	0.009	0.005	0.004
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2			<0.0001	<0.0001			<0.0001	<0.0001				0.002	0.0021
1,2-Dichloroethane	mg/L	0.001	0.00126	0.00126	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001												

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MWG47	MWG47	MWG47	MWG47	MWG48	MWG48	MWG48	MWG48	MWG49	MWG49	MWG49	MWG49	MWG49
Sampled Date Time	22/09/2005	12/10/2006	25/05/2010	27/06/2011	22/09/2005	12/10/2006	25/05/2010	27/06/2011	22/09/2005	12/10/2006	19/03/2008	26/03/2009	25/05/2010
Field ID	MWG47	MWG47	Q5238-01	Q8114-02	MWG48	MWG48	Q5238-03	Q8114-04	MWG49	MWG49	Q4060-02	Q5655-02	Q5238-04
Monitoring Zone	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation													
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001															
Dibromomethane	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	0.0397	0.0397	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	mg/L	0.000001	0.0351	0.0351	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.004	0.44	0.24	0.057	0.049	0.025
Tetrabromoethane	mg/L	0.0001					<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	<0.0001
Tetrabromoethene	mg/L	0.0001					<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.076	0.041	0.046	0.026	0.014
Trihalomethanes	mg/L				<0.001	<0.001	<0.0013	<0.0013	<0.001	<0.001	<0.0013	<0.0013	0.0005 - 0.0455	0.0005 - 0.0275	0.0005 - 0.0235	0.01115	0.01015
trans-1,2-Dibromoethene	mg/L	0.0001					<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	0.0004
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001															
Tribromoethane	mg/L	0.0001															
1,1,2-Tribromoethene	mg/L	0.0001					<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	0.0007
Trichlorofluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.009	0.009	0.008	0.013
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113			<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	0.0022
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MWG49	MWG54	MWG54	MWG54	MWG54	MWG54	MWG54	MWG57	MWG57	MWG57	MWG57	MWG57	MWG57	MWG57	MWG59	MWG59
Sampled Date Time	5/07/2011	16/10/2006	19/03/2008	25/03/2009	26/05/2010	28/06/2011	10/10/2006	1/04/2008	1/04/2008	1/04/2008	1/04/2008	1/04/2009	27/05/2010	27/06/2011	11/10/2006	19/03/2008
Field ID	Q8120-01	MWG54	Q4059-02	Q5654-05	Q5239-04	Q8115-01	MWG57	Q4066-01	Q4066-02	Q4067-01	Q5660-01	Q5240-05	Q8114-01	MWG59		Q4060-01
Monitoring Zone	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation															
Halogenated Benzenes																			
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001				<0.0001					<0.0001						<0.0001		
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	
1,2-Dichlorobenzene	mg/L	0.00005	39.6	60.5	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001 - 0.0001	
1,3,5-Trichlorobenzene	mg/L	0.0001				<0.0001					<0.0001						<0.0001		
1,3-Dichlorobenzene	mg/L	0.00005	16.8	16.8	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001 - 0.0003	
1,4-Dichlorobenzene	mg/L	0.00005	0.00373	0.00373	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001 - 0.0001	
2-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
Bromobenzene	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.0001	<0.0001	<0.0001	<0.0001	
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
MAH																			
1,2,4-trimethylbenzene	mg/L	0.001	2.11	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
1,3,5-Trimethylbenzene	mg/L	0.001	2.76	8.65	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Ethylbenzene	mg/L	0.00005	9.33	3440	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
Toluene	mg/L	0.001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	
Xylenes (m & p)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	
Xylene (o)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	
Xylenes (Sum of m,p & o)	mg/L	0.002	89	122	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	
PAH																			
Napthalene	mg/L	0.0001	1.89	23.7	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.007	<0.001	<0.001	<0.001	<0.0001	
Total Petroleum Hydrocarbons																			
Total C6-C36	mg/L	0.05			<0.05		<0.05	<0.05	<0.05	<0.05		0.33	0.19		0.12	0.14	0.14		
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	0.17	1.17	0.12	0.14	0.14	<0.01	
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	0.02	<0.05	<0.01	<0.01	<0.01	<0.01	
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	
TPH C29-C36 Fraction	mg/L	0.00005	13.1	46200	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	0.004	
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001	
1,1,2,2-Tetrabromoethene	mg/L	0.0001				<0.0001					<0.0001							<0.0001	
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001	
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloroethane	mg/L	0.000001			0.006	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	0.003	
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	0.021	
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.0001	<0.0001	<0.0001	<0.0001	
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.0001	<0.0001	<0.0001	<0.0001	
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2															

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MWG49	MWG54	MWG54	MWG54	MWG54	MWG54	MWG57	MWG57	MWG57	MWG57	MWG57	MWG57	MWG57	MWG59	MWG59
Sampled Date Time	5/07/2011	16/10/2006	19/03/2008	25/03/2009	26/05/2010	28/06/2011	10/10/2006	1/04/2008	1/04/2008	1/04/2008	1/04/2009	27/05/2010	27/06/2011	11/10/2006	19/03/2008
Field ID	Q8120-01	MWG54	Q4059-02	Q5654-05	Q5239-04	Q8115-01	MWG57	Q4066-01	Q4066-02	Q4067-01	Q5660-01	Q5240-05	Q8114-01	MWG59	Q4060-01
Monitoring Zone	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation														
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001											<0.005					
Dibromomethane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.0001	<0.0001	<0.0001	<0.001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	0.0397	0.0397	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.051	0.002	0.005	0.002	0.002	0.004	0.89	1.4	1.3	0.959	0.77	0.46	0.4	0.02
Tetrabromoethane	mg/L	0.0001			<0.0001			<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001		
Tetrabromoethene	mg/L	0.0001			<0.0001			<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001		
Tetrachloroethene	mg/L	0.000001	1.75	321	0.012	0.013	0.021	0.012	0.006	0.011	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.002	0.045
Trihalomethanes	mg/L				<0.0013	0.0005 - 0.00115	<0.001	<0.0013	<0.0013	<0.0013	<0.001	<0.001	<0.004	<0.005	<0.0013	<0.0013	<0.0013	0.0005 - 0.08315
trans-1,2-Dibromoethene	mg/L	0.0001			0.0004	0.0005		0.0006	0.0006	0.0019	<0.0001				<0.0001	<0.0001	<0.0001	0.01
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001												<0.005				
Tribromoethane	mg/L	0.0001																
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	
Trichlorofluoromethane	mg/L	0.001			0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	0.001	0.002
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	0.0006	
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MWG59	MWG59	MWG59	MWG91A	MWG91A	MWG91A	MWG91B	MWG91B	MWG91B	MWG91C	MWG91C	MWG91C
Sampled Date Time	26/03/2009	25/05/2010	27/06/2011	22/09/2009	27/05/2010	23/06/2011	22/09/2009	27/05/2010	23/06/2011	22/09/2009	27/05/2010	23/06/2011
Field ID	Q5655-01	Q5238-05	Q8114-05	Q5209-04	Q5240-01	Q8113-04	Q5209-02	Q5240-02	Q8113-05	Q5209-01	Q5240-03	Q8113-06
Monitoring Zone	Lot 2	Lot 2	Lot 2									

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation												
Halogenated Benzenes																
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001														
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.00005	39.6	60.5	<0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001														
1,3-Dichlorobenzene	mg/L	0.00005	16.8	16.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.00005	0.00373	0.00373	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MAH																
1,2,4-trimethylbenzene	mg/L	0.001	2.11	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	2.76	8.65	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.00005	9.33	3440	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.002	89	122	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
PAH																
Napthalene	mg/L	0.0001	1.89	23.7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Petroleum Hydrocarbons																
Total C6-C36	mg/L	0.05			0.05	<0.05	0.18		<0.05	0.05		<0.05	<0.05		<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		0.05	<0.01	0.02		<0.01	0.05		<0.01	0.02		<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.01	<0.01	0.06		<0.01	<0.01		<0.01	<0.01		<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.05	<0.05	0.09		<0.05	<0.05		<0.05	<0.05		<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.00005	13.1	46200	<0.05	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05		<0.05	<0.05
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001														
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.011	0.013	0.023	<0.001	<0.001	0.002	0.002	<0.001	0.001	0.001	0.001	0.002
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.064	0.029	0.012	<0.001	<0.001	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2	0.075	0.093	0.049		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001
1,2-Dichloroethane	mg/L	0.001	0.00126	0.00126	0.003	0.005	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001
Bromoethyne	mg/L	0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001
</																

Table 2: Lot 2 Groundwater Analytical Results

Location Code	MWG59	MWG59	MWG59	MWG91A	MWG91A	MWG91A	MWG91B	MWG91B	MWG91B	MWG91C	MWG91C	MWG91C
Sampled Date Time	26/03/2009	25/05/2010	27/06/2011	22/09/2009	27/05/2010	23/06/2011	22/09/2009	27/05/2010	23/06/2011	22/09/2009	27/05/2010	23/06/2011
Field ID	Q5655-01	Q5238-05	Q8114-05	Q5209-04	Q5240-01	Q8113-04	Q5209-02	Q5240-02	Q8113-05	Q5209-01	Q5240-03	Q8113-06
Monitoring Zone	Lot 2	Lot 2	Lot 2									

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001													
Dibromomethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	0.0397	0.0397	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.056	0.025	0.019	0.048	0.59	0.2	0.029	0.23	0.047	0.001	0.009
Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
Tetrabromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.1	0.054	0.029	0.005	0.004	0.01	0.005	0.005	0.014	0.001	0.002
Trihalomethanes	mg/L				0.11015	0.12015	0.09615	<0.004	0.00115	<0.0013	0.0025	0.00115	<0.0013	<0.004	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001			0.013	0.015	0.013		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001													
Tribromoethane	mg/L	0.0001													
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001	0.0007	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
Trichlorofluoromethane	mg/L	0.001			0.005	0.007	0.002	0.001	0.003	0.004	0.002	0.006	0.004	<0.001	0.003
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	0.0059	0.054	0.018		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 3: Southwest Industrial Groundwater Analytical Results

Location Code	MWG65	MWG65	MWG65	MWG65	MWG65	MWG65	MWG69	MWG69	MWG69	MWG69	MWG70	MWG70
Sampled Date Time	16/10/2006	19/03/2008	30/03/2009	26/05/2010	28/06/2011	25/03/2008	31/03/2009	24/05/2010	23/06/2011	25/03/2008	13/10/2008	
Field ID	MWG65	Q4059-04	Q5658-05	Q5239-05	Q8115-05	Q4061-02	Q5659-01	Q5237-03	Q8113-02	Q4061-03	Q4981-01	
Monitoring Zone	A&P Trans	A&P Trans	A&P Trans	A&P Trans	A&P Trans	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309			0.27			0.003	0.099			0.005
Aluminium (Filtered)	mg/L	0.001	309	309	<0.001									
Arsenic	mg/L	0.0002	0.00241	0.00241			<0.0005			<0.0002	<0.0005			<0.0002
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.0005									
Cadmium	mg/L	0.00005	0.309	0.309			<0.0001			<0.00005	<0.0001			<0.00005
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.00005									
Chromium	mg/L	0.0002	0.928	0.928			<0.0002			0.0003	0.001			0.0005
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	0.0007									
Copper	mg/L	0.0005					<0.0005			0.001	0.0008			0.0009
Copper (Filtered)	mg/L	0.0005			<0.0005									
Iron (ferrous)	mg/L	0.05			<0.05					0.12				0.06
Iron	mg/L	0.001	217	217			0.21			0.13	0.17			0.067
Iron (Filtered)	mg/L	0.001	217	217	0.5									
Lead	mg/L	0.0001					<0.001			<0.0001	<0.001			<0.0001
Lead (Filtered)	mg/L	0.0001			<0.0001									
Manganese	mg/L	0.001	14.2	14.2			0.026			0.33	0.11			0.057
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.46									
Mercury	mg/L	0.00001					<0.0001			<0.00001	<0.0001			<0.00001
Mercury (Filtered)	mg/L	0.00001			<0.00001									
Nickel	mg/L	0.0002	3.86	3.86			<0.001			0.002	<0.001			0.01
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.02									
Zinc	mg/L	0.0005					0.32			0.011	0.17			0.0043
Zinc (Filtered)	mg/L	0.0005			<0.0005									
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001			<0.0001					<0.0001				<0.0001
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.0001	39.6	60.5	<0.001 - 0.0005	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001			<0.0001					<0.0001				<0.0001
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.001 - 0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.0001	0.00373	0.00373	<0.001 - 0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Chlorobenzene	mg/L	0.001	2.74	80.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene	mg/L	0.0001			<0.0001					<0.0001				<0.0001
Pentachlorobenzene	mg/L	0.0001			<0.0001					<0.0001				<0.0001
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	0.002	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.000001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.000001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
PAH														
Napthalene	mg/L	0.000001	1.89	23.7	<0.001 - 0.0005	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.0001	<0.001
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.05	9.82	486	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.05	13.1	46200	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001			0.001	0.001	<0.001	<0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	

Table 3: Southwest Industrial Groundwater Analytical Results

Location Code	MWG65	MWG65	MWG65	MWG65	MWG65	MWG69	MWG69	MWG69	MWG69	MWG70	MWG70
Sampled Date Time	16/10/2006	19/03/2008	30/03/2009	26/05/2010	28/06/2011	25/03/2008	31/03/2009	24/05/2010	23/06/2011	25/03/2008	13/10/2008
Field ID	MWG65	Q4059-04	Q5658-05	Q5239-05	Q8115-05	Q4061-02	Q5659-01	Q5237-03	Q8113-02	Q4061-03	Q4981-01
Monitoring Zone	A&P Trans	A&P Trans	A&P Trans	A&P Trans	A&P Trans	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
1,1,2,2-Tetrabromoethene	mg/L	0.0001			<0.0001									
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.011	0.005	0.003	0.009	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.003	0.002	0.001	0.002	0.001	<0.001	<0.001	<0.001	0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2			<0.0001	0.0008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
1,2-Dichloroethane	mg/L	0.001	0.00126	0.00126	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Bromoethane	mg/L	0.0001			<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Bromoethyne	mg/L	0.0001			<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	mg/L	0.0007	0.00075	0.00075	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.000001	0.25	0.25	0.008	0.005	0.003	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001			0.0009		<0.0001	0.0006	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.032	0.023	0.006	0.026	0.014	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	mg/L	0.0001			<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001
Dichloromethane	mg/L	0.01	0.0397	0.0397	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001
Hexachloroethane	mg/L	0.0001			<0.0001				<0.0001				<0.0001	
Pentachloroethane	mg/L	0.0001			<0.0001				<0.0001				<0.0001	
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.011	0.012	0.005	0.01	0.013	<0.001	<0.001	<0.001	0.22	0.3
Tetrabromoethane	mg/L	0.0001					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Tetrabromoethene	mg/L	0.0001					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Tetrachloroethene	mg/L	0.000001	1.75	321	0.028	0.026	0.016	0.014	0.02	<0.001	<0.001	<0.001	0.004	0.002
Trihalomethanes	mg/L				0.0005 - 0.00815	0.0005 - 0.0065	0.00315	0.00815	<0.0013	<0.001	<0.0013	<0.0013	<0.0013	<0.004
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001		<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
trans-1,2-dichloroethene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tribromoethane	mg/L	0.0001												
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Trichlorofluoromethane	mg/L	0.001			0.016	0.008	0.004	0.009	0.004	<0.001	<0.001	<0.001	0.003	0.002
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001
Vinyl chloride	mg/L	0.001	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 3: Southwest Industrial Groundwater Analytical Results

Location Code	MWG70	MWG70	MWG70
Sampled Date Time	31/03/2009	24/05/2010	23/06/2011
Field ID	Q5659-02	Q5237-05	Q8113-01
Monitoring Zone	Southwest Industrial	Southwest Industrial	Southwest Industrial

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation			
Heavy Metals							
Aluminium	mg/L	0.001	309	309	0.051		
Aluminium (Filtered)	mg/L	0.001	309	309			
Arsenic	mg/L	0.0002	0.00241	0.00241	<0.0005		
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241			
Cadmium	mg/L	0.00005	0.309	0.309	<0.0001		
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309			
Chromium	mg/L	0.0002	0.928	0.928	0.0006		
Chromium (Filtered)	mg/L	0.0002	0.928	0.928			
Copper	mg/L	0.0005			0.0009		
Copper (Filtered)	mg/L	0.0005					
Iron (ferrous)	mg/L	0.05					
Iron	mg/L	0.001	217	217	0.078		
Iron (Filtered)	mg/L	0.001	217	217			
Lead	mg/L	0.0001			<0.001		
Lead (Filtered)	mg/L	0.0001					
Manganese	mg/L	0.001	14.2	14.2	0.046		
Manganese (Filtered)	mg/L	0.001	14.2	14.2			
Mercury	mg/L	0.00001			<0.0001		
Mercury (Filtered)	mg/L	0.00001					
Nickel	mg/L	0.0002	3.86	3.86	<0.001		
Nickel (Filtered)	mg/L	0.0002	3.86	3.86			
Zinc	mg/L	0.0005			0.21		
Zinc (Filtered)	mg/L	0.0005					
Halogenated Benzenes							
1,2,3-Trichlorobenzene	mg/L	0.001			<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001					
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.0001	39.6	60.5	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001					
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.0001	0.00373	0.00373	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.001			<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.001			<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.001	2.74	80.3	<0.001	<0.001	<0.001
Hexachlorobenzene	mg/L	0.0001					
Pentachlorobenzene	mg/L	0.0001					
MAH							
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.000001	89	122	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.000001	89	122	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	<0.002	<0.002	<0.002
PAH							
Napthalene	mg/L	0.000001	1.89	23.7	<0.001	<0.001	<0.001
Total Petroleum Hydrocarbons							
Total C6-C36	mg/L	0.05			<0.05	<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		<0.01	<0.01	0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.01	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.05	9.82	486	<0.05	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.05	13.1	46200	<0.05	<0.05	<0.05
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001			<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001

Table 3: Southwest Industrial Groundwater Analytical Results

Location Code	MWG70	MWG70	MWG70
Sampled Date Time	31/03/2009	24/05/2010	23/06/2011
Field ID	Q5659-02	Q5237-05	Q8113-01
Monitoring Zone	Southwest Industrial	Southwest Industrial	Southwest Industrial

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation			
1,1,2,2-Tetrabromoethene	mg/L	0.0001					
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.000001	3.51	172	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/L	0.001	0.00126	0.00126	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Bromoethyne	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001
Carbon tetrachloride	mg/L	0.0007	0.00075	0.00075	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.001	0.001	<0.001
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001			<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001
Dibromomethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	0.0397	0.0397	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001
Hexachloroethane	mg/L	0.0001					
Pentachloroethane	mg/L	0.0001					
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.24	0.13	0.065
Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Tetrabromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.001	<0.001	0.003
Trihalomethanes	mg/L				<0.0013	<0.0013	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001
trans-1,2-dichloroethene	mg/L	0.001			<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001
Tribromoethane	mg/L	0.0001					
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.001			<0.001	<0.001	0.004
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001	<0.0001	<0.0001
Vinyl chloride	mg/L	0.001	0.0737	0.0737	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 4: Upgradient Groundwater Analytical Results

Location Code	MWG45	MWG45	MWG45	MWG45	MWG45	MWG45	MWG46	MWG46	MWG46	MWG46	MWG46	MWG46
Sampled Date Time	21/02/2005	20/09/2005	26/09/2006	24/03/2009	24/05/2010	29/06/2011	21/02/2005	20/09/2005	10/10/2006	24/03/2009	24/05/2010	29/06/2011
Field ID	MWG45	MWG45	MWG45	Q5653-02	Q5237-01	Q8117-02	MWG46	MWG46	MWG46	Q5653-01	Q5237-02	Q8117-01
Monitoring Zone	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
Heavy Metals															
Aluminium	mg/L	0.001	309	309				0.024					0.027		
Aluminium (Filtered)	mg/L	0.001	309	309	0.0064	0.001	<0.001		0.018	0.004	<0.005	0.004	<0.001	0.016	0.006
Arsenic	mg/L	0.0005	0.00241	0.00241				0.001					<0.0005		
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	<0.001	0.0014	0.0015		<0.0005	0.0005	<0.001	<0.0005	0.0004	<0.0005	<0.0005
Cadmium	mg/L	0.0001	0.309	0.309				<0.0001					<0.0001		
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.001	<0.0005	<0.00005		<0.0005	<0.0005	<0.001	<0.0005	<0.00005	<0.0005	<0.0005
Chromium	mg/L	0.0002	0.928	0.928				<0.0002					<0.0002		
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001	<0.001	0.0021		<0.001	<0.001	<0.001	<0.001	<0.0002	<0.001	<0.001
Copper	mg/L	0.0005						0.0006					0.0005		
Copper (Filtered)	mg/L	0.0005					0.0008		<0.001	0.002			<0.0005	<0.001	0.002
Iron (ferrous)	mg/L	0.05				<0.05	10					<0.05	<0.05		
Iron	mg/L	0.001	217	217				4.6					<0.001		
Iron (Filtered)	mg/L	0.001	217	217	<0.005	11	17		16	14	<0.005	0.014	<0.002	0.01	<0.001
Lead	mg/L	0.001						<0.001					<0.001		
Lead (Filtered)	mg/L	0.0001			<0.001	<0.001	<0.0001		<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001
Manganese	mg/L	0.001	14.2	14.2				0.14					0.044		
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.055	0.98	0.58		0.39	0.33	0.02	0.006	0.022	0.051	0.034
Mercury	mg/L	0.0001						<0.0001					<0.0001		
Mercury (Filtered)	mg/L	0.00001			<0.0001	<0.0005	<0.00001		<0.0005	<0.0005	<0.0001	<0.0005	<0.00001	<0.0005	<0.0005
Nickel	mg/L	0.001	3.86	3.86				0.002					0.002		
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.0085	0.006	0.031		0.005	0.006	<0.001	<0.001	<0.0002	0.001	0.001
Zinc	mg/L	0.001						0.45					0.085		
Zinc (Filtered)	mg/L	0.0005			0.012	0.045	0.023		0.01	0.028	0.0026	0.07	0.011	0.008	0.026
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.005				<0.005						<0.005			
1,2,4-Trichlorobenzene	mg/L	0.001	0.76	21.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.001	39.6	60.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.005				<0.005						<0.005			
1,3-Dichlorobenzene	mg/L	0.001	16.8	16.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.001	0.00373	0.00373	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.001	2.74	80.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene	mg/L	0.00001			<0.00001	<0.005					<0.00001	<0.005			
Pentachlorobenzene	mg/L	0.005				<0.005					<0.005				
Herbicides															
Dinoseb	mg/L	0.005				<0.005						<0.005			
MAH															
1,2,4-trimethylbenzene	mg/L	0.001	2.11	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	2.76	8.65	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.001	9.33	3440	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	4.16	534	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001	0.595	42.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	4.5	529	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.9	585	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.001	28.8	382	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.001	89	122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.002	89	122	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
PAH															
Naphthalene	mg/L	0.001	1.89	23.7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05						<0.05	<0.05	<0.05			<0.05	<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.01	1920		<0.1	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.01	0.655	325	0.028	<0.01	<0.01	<0.01	<0.01	<0.01	<0.025	<0.01	<0.01	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.025	9.82	486	<0.025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	<0.05	<0.05	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.05	13.1	46200	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 4: Upgradient Groundwater Analytical Results

Location Code	MWG45	MWG45	MWG45	MWG45	MWG45	MWG45	MWG46	MWG46	MWG46	MWG46	MWG46	MWG46
Sampled Date Time	21/02/2005	20/09/2005	26/09/2006	24/03/2009	24/05/2010	29/06/2011	21/02/2005	20/09/2005	10/10/2006	24/03/2009	24/05/2010	29/06/2011
Field ID	MWG45	MWG45	MWG45	Q5653-02	Q5237-01	Q8117-02	MWG46	MWG46	MWG46	Q5653-01	Q5237-02	Q8117-01
Monitoring Zone	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St	Irwin St

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
1,1,2,2-Tetrabromoethane	mg/L	0.0001					<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001					<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.001	3.51	172	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2				<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
1,2-Dichloroethane	mg/L	0.001	0.00126	0.00126	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	0.013	<0.001	<0.001	<0.0001	<0.0001	<0.0001	0.0014	<0.001	<0.001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
Bromoethyne	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	0.024	<0.001	<0.001	<0.0001	<0.0001	<0.0001	0.0021	<0.001	<0.001	<0.0001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	mg/L	0.001	0.00075	0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	0.03	<0.001	<0.001	<0.0001	<0.0001	<0.0001	0.0028	<0.001	<0.001	<0.0001	<0.0001
Chloroethane	mg/L	0.001	0.0118	0.0118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.001	0.25	0.25	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001			0.0098	<0.001	<0.001	<0.001	<0.001	<0.001	0.0042	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
cis-1,2-Dichloroethene	mg/L	0.001	3.17	47.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	mg/L	0.0001			<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.001	0.0397	0.0397	<0.001	<0.1	<0.01	<0.01	<0.01	<0.01	<0.001	<0.1	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachloroethane	mg/L	0.005			<0.02	<0.005					<0.02	<0.005			
Pentachloroethane	mg/L	0.005				<0.005						<0.005			
Trichloroethene	mg/L	0.001	0.0351	0.0351	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
Tetrabromoethene	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
Tetrachloroethene	mg/L	0.001	1.75	321	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trihalomethanes	mg/L				0.03 - 0.073	<0.001	<0.001	<0.0013	<0.0013	<0.0013	0.0028 - 0.0068	<0.001	<0.001	<0.0013	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
trans-1,2-dichloroethene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethene	mg/L	0.0001						<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113				<0.0001	<0.0001	<0.0001				<0.0001	<0.0001
Vinyl chloride	mg/L	0.001	0.0737	0.0737	0.046	<0.001	<0.001	<0.001	<0.001	<0.001	0.022	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Location Code	MWG64	MWG64	MWG64	MWG64	MWG64	MWG64
Sampled Date	9/10/2006	19/03/2008	30/03/2009	23/09/2009	31/05/2010	30/06/2011
Field ID	MWG64	Q4060-03	Q5658-04	Q5211-04 Filtered	Q5241-04	Q8118-04
Monitoring Zone	Hanson	Hanson	Hanson	Hanson	Hanson	Hanson

ChemName	output unit	EQL	Risk Based Criteria May 08 Hanson	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation						
Heavy Metals											
Aluminium	mg/L	0.001		309	309			0.041			
Aluminium (Filtered)	mg/L	0.001		309	309	<0.001 - 0.013				0.011	0.005
Arsenic	mg/L	0.0005		0.00241	0.00241			0.049	0.011		
Arsenic (Filtered)	mg/L	0.0002		0.00241	0.00241	0.013 - 0.017				0.07	0.057
Cadmium	mg/L	0.0001		0.309	0.309			<0.0001	<0.0005		
Cadmium (Filtered)	mg/L	0.00005		0.309	0.309	<0.00005				<0.0002	<0.0005
Chromium	mg/L	0.0002		0.928	0.928			<0.0002	<0.001		
Chromium (Filtered)	mg/L	0.0002		0.928	0.928	<0.0002				<0.001	0.001
Cobalt	mg/L	0.001							0.011		
Copper	mg/L	0.0005						<0.0005	<0.001		
Copper (Filtered)	mg/L	0.0005				<0.0005 - 0.0022				<0.001	<0.001
Iron (ferrous)	mg/L	0.05				42 - 47					
Iron	mg/L	0.001		217	217			32			
Iron (Filtered)	mg/L	0.001		217	217	54.3 - 59				26	30
Lead	mg/L	0.001						<0.001	<0.001		
Lead (Filtered)	mg/L	0.0001				<0.0001				<0.001	<0.001
Manganese	mg/L	0.001		14.2	14.2			0.1			
Manganese (Filtered)	mg/L	0.001		14.2	14.2	1.33 - 1.4				0.069	0.078
Mercury	mg/L	0.0001						<0.0001			
Mercury (Filtered)	mg/L	0.00001				<0.00001				<0.00006	<0.0005
Nickel	mg/L	0.001		3.86	3.86			0.002	0.014		
Nickel (Filtered)	mg/L	0.0002		3.86	3.86	0.024 - 0.028				0.004	0.003
Zinc	mg/L	0.001						0.34	0.73		
Zinc (Filtered)	mg/L	0.0005				0.005 - 0.018				0.006	<0.001
Halogenated Benzenes											
1,2,3-Trichlorobenzene	mg/L	0.0005				<0.001	<0.001	<0.001		<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001				<0.0001					
1,2,4-Trichlorobenzene	mg/L	0.0001		0.76	21.5	<0.0001	<0.001	<0.001		<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.0001	12500	39.6	60.5	<0.05 - 0.005	0.004	0.003		0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001				<0.0001					
1,3-Dichlorobenzene	mg/L	0.0001		16.8	16.8	<0.001 - 0.0002	<0.001	<0.001		<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.0001		0.00373	0.00373	<0.001 - 0.0006	<0.001	<0.001		<0.001	<0.001
2-Chlorotoluene	mg/L	0.0005				<0.001	<0.001	<0.001		<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005				<0.001	<0.001	<0.001		<0.001	<0.001
Bromobenzene	mg/L	0.0001				<0.0001	<0.001	<0.0001		<0.0001	<0.0001
Chlorobenzene	mg/L	0.0005		2.74	80.3	<0.001	<0.001	<0.001		<0.001	<0.001
Hexachlorobenzene	mg/L	0.0001				<0.0001					
Pentachlorobenzene	mg/L	0.0001				<0.0001					
MAH											
1,2,4-trimethylbenzene	mg/L	0.001	3160	2.11	11	<0.05 - 0.052	0.029	0.001		<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001		2.76	8.65	<0.05 - 0.016	0.008	<0.001		<0.001	<0.001
Benzene	mg/L	0.001		0.00274	0.00274	<0.01 - 0.003	0.003	0.001		0.001	<0.001
Ethylbenzene	mg/L	0.0001	1.08E6	9.33	3440	0.108 - 0.17	0.081	0.001		<0.001	<0.001
Isopropylbenzene	mg/L	0.001		4.16	534	<0.05 - 0.004	0.002	<0.001		<0.001	<0.001
n-Butylbenzene	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
n-Propylbenzene	mg/L	0.001		0.595	42.2	<0.05 - 0.005	<0.001	<0.001		<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	175000	4.5	529	<0.05 - 0.002	<0.001	<0.001		<0.001	<0.001
sec-Butylbenzene	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
Styrene	mg/L	0.001		0.9	585	<0.001	<0.001	<0.001		<0.001	<0.001
tert-Butylbenzene	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
Toluene	mg/L	0.0001	117000	28.8	382	0.212 - 0.37	0.003	<0.001		<0.001	<0.001
Xylenes (m & p)	mg/L	0.0001		89	122	0.064 - 0.12	0.015	<0.001		<0.001	<0.001
Xylene (o)	mg/L	0.0001		89	122	0.064 - 0.16	0.002	<0.001		<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.002	42600	89	122	0.158 - 0.28	0.017	<0.002		<0.002	<0.002
PAH											
Naphthalene	mg/L	0.00005		1.89	23.7	<0.07 - 0.0018	<0.001	<0.001		<0.001	<0.001
Total Petroleum Hydrocarbons											
Total C6-C36	mg/L	0.05					1	0.32		0.18	0.1
TPH C 6 - C 9 Fraction	mg/L	0.0001	743000	1920		0.72 - 1.6	0.22	0.08		<0.1	<0.1
TPH C10 - C14 Fraction	mg/L	0.0001	126000	0.655	325	0.54 - 1.46	0.68	0.15		0.18	0.05
TPH C15 - C28 Fraction	mg/L	0.0001	188000	9.82	486	<0.05 - 0.3	0.12	0.1		<0.05	0.05
TPH C29-C36 Fraction	mg/L	0.05	1.73E7	13.1	46200	<0.05	<0.05	<0.05		<0.05	<0.05
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001				<0.0001		<0.0001		<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001				<0.0001					
1,1,2,2-Tetrachloroethane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001				<0.0001		<0.0001		<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	0.331	0.00267	0.00267	<0.001	<0.001	<0.001		<0.001	<0.001
1,1-Dichloroethane	mg/L	0.0001				0.052 - 0.073	0.035	0.032		0.016	0.019
1,1-Dichloroethene	mg/L	0.001		3.51	172	<0.05 - 0.011	0.004	0.007		0.004	0.004
1,1-Dichloropropene	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001				<0.0001	<0.001	<0.0001		<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001				<0.0001	<0.001	<0.0001		<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001		1.46	54.2			<0.0001		0.0004	<0.0001
1,2-Dichloroethane	mg/L	0.001		0.00126	0.00126	<0.001	<0.001	<0.001		<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
Bromochloromethane	mg/L	0.0001				<0.0001	<0.001	<0.0001		<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001		0.25	0.25	<0.0001	<0.001	<0.0001		<0.0001	<0.0001
Bromoethane	mg/L	0.0001				<0.0001	<0.001	<0.0001		<0.0001	<0.0001
Bromoethyne	mg/L	0.0001				<0.0001		<0.0001		<0.0001	<0.0001
Bromoform	mg/L	0.0001		0.25	0.25	<0.0001	<0.001	<0.0001		<0.0001	<0.0001
Bromomethane	mg/L	0.001				<0.001	<0.001	<0.001		<0.001	<0.001
Carbon disulfide	mg/L	0.005				<0.05					
Carbon tetrachloride	mg/L	0.0007		0.00075	0.00075	<0.001	<0.001	<0.001		<0.0007	<0.001
Chlorodibromomethane	mg/L	0.0001		0.25	0.25	<0.0001	<0.001	<0.0001		<0.0001	<0.

Table 6: Damplands Groundwater Analytical Results

Location Code	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36
Sampled Date Time	7/03/2003	12/12/2003	10/03/2004	10/06/2004	14/09/2004	18/09/2005	20/09/2006	3/04/2008	6/04/2009	23/06/2009	17/09/2009	2/06/2010	20/06/2011	28/09/2006	3/04/2008	6/04/2009	23/06/2009	2/06/2010	
Field ID	MW36	MW36	MW36	MW36	MW36	MW36	MW36	Q4068-03	Q5664-01	Q5677-01	Q5207-03	Q5244-02	Q8111-04	MWG60	Q4068-05	Q5663-03	Q5677-06	Q5244-05	
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands

ChemName	output unit	EQL	Risk Based Criteria Damplands Excluding Swimming	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria																	
Sample Quality Parameters																					
Electrical Conductivity @ 25°C	uS/cm	2																			
Sum of Ions	meq/L	0																			
Total Dissolved Solids @180°C	mg/L	1			800				1200	1100	990	1000				470	960	980			
Sodium	mg/L	0.05									300	300					310	300			
Sodium (Filtered)	mg/L	0.05			168					260						140					
Potassium	mg/L	0.05									12	12					10	9.7			
Potassium (Filtered)	mg/L	0.05			11					12						2.9					
Calcium	mg/L	0.05									16	14					24	21			
Calcium (Filtered)	mg/L	0.05			50					11						7.8					
Magnesium	mg/L	0.05	82								43	42					39	36			
Magnesium (Filtered)	mg/L	0.05	82		11					43						21					
Chloride	mg/L	1			348					530	540	530				340	540	510			
Sulphate (as SO4)	mg/L	1									49	52					60	77			
Sulphate (as SO4) (Filtered)	mg/L	1			79			51	53							48					
Bicarbonate Alkalinity (as CaCO3)	mg/L	1			78				75	56	60					120	54	60			
Carbonate Alkalinity (as CaCO3)	mg/L	1			<1				<1	<1	<1					<1	<1	<1			
Nitrogen (Total Oxidised)	mg/L	0.005																			
Nitrate (as N)	mg/L	0.005	7					<0.01	<1	<0.2	<1			<0.01	<1	<1	<0.2	<1		<0.01	
Nitrate (as NO3-)	mg/L	1																			
Nitrate as NO3(2-)	mg/L	0.9																			
Nitrite (as N)	mg/L	0.005							<1	<0.9						<1	<0.9				
Ammonia (as N)	mg/L	0.005							0.13	0.11						0.12	0.02				
Total Kjeldahl Nitrogen (as N)	mg/L	0.05							0.2	0.1						0.2	0.1				
Nitrogen (Total) (Calculated)	mg/L	0.05																			
Fluoride	mg/L	1							<1	<1						<1	<1				
Total Organic Carbon	mg/L	0.2									1						1				
Actual (Anion / Cation) Difference	ME/L	0.01			2.04																
Ionic Balance	%	-100																			
Phosphorus	mg/L	0.01							0.03	0.05						<0.01	0.02				
Total Alkalinity (as CaCO3)	mg/L	1			78				75	56	60					120	54	60			
Total Anions	meq/L	0.01			13																
Total Cations	meq/L	0.01			11																
Heavy Metals																					
Aluminium	mg/L	0.001	309	0.055							<0.001						0.005			0.004	
Aluminium (Filtered)	mg/L	0.001	309	0.055					0.003	<0.001	<0.001				0.006	0.005	0.045	<0.001			
Arsenic	mg/L	0.0002		0.013								<0.0005		<0.0005				<0.0005		<0.0005	
Arsenic (Filtered)	mg/L	0.0002		0.013					<0.0005	0.0006	0.0008				<0.0005	<0.0005	<0.0002	0.0011		<0.0002	
Cadmium	mg/L	0.00005		0.0002									<0.0001		<0.0001			<0.0001		<0.0002	
Cadmium (Filtered)	mg/L	0.00005		0.0002					<0.0005	<0.00005	<0.00005				<0.0002	<0.0002	<0.00005	<0.00005		<0.0002	
Chromium	mg/L	0.0002		0.001								<0.0002			0.001			<0.0002		<0.001	
Chromium (Filtered)	mg/L	0.0002		0.001					<0.001	<0.0002	0.0002				<0.001	<0.001	0.0002	<0.0002			
Cobalt	mg/L	0.001																			
Copper	mg/L	0.0005		0.0014									0.0019		0.002			<0.0005		0.001	
Copper (Filtered)	mg/L	0.0005		0.0014																	
Iron (ferrous)	mg/L	0.05							15	10	13					<0.001	0.001	0.0005	<0.0005		
Iron	mg/L	0.001	217	0.3														1.5			
Iron (Filtered)	mg/L	0.001	217	0.3					16	14	17				17	17	0.99	2		1.3	
Lead	mg/L	0.0001		0.0034																	
Lead (Filtered)	mg/L	0.0001		0.0034								<0.001		<0.001				<0.001		<0.001	
Manganese	mg/L	0.001	14.2	1.9					<0.001	<0.0001	<0.0001				<0.001	<0.001	<0.0001	<0.0001		<0.001	
Manganese (Filtered)	mg/L	0.001	14.2	1.9								0.25						0.13		0.078	
Mercury	mg/L	0.00001		0.00006					0.25	0.29	0.29		<0.0001		<0.00001		0.27	0.27	2	0.18	
Mercury (Filtered)	mg/L	0.00001		0.00006					<0.0005	<0.00001	<0.00001				<0.00001		<0.00006	<0.00005	<0.00001	<0.00001	
Nickel	mg/L	0.0002	3.86	0.011									<0.001		<0.001				<0.001	0.001	
Nickel (Filtered)	mg/L	0.0002	3.86	0.011					<0.001	<0.0002	0.0002				<0.001	<0.001	0.007	0.0007	0.0014		
Zinc	mg/L	0.0005		0.008								0.002			0.002				0.002	0.003	
Zinc (Filtered)	mg/L	0.0005		0.008					0.045	0.0012	0.0021				0.002	0.002	0.037	0.011	0.004		
Halogenated Benzenes																					
1,2,3-Trichlorobenzene	mg/L	0.0005		0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001								<0.005						<0.001	<0.001	<0.0001			
1,2,4-Trichlorobenzene	mg/L	0.0001		0.085	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001	
1,2-Dichlorobenzene	mg/L	0.0001		0.16	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001	
1,3,5-Trichlorobenzene	mg/L	0.0001								<0.005								<0.0001			
1,3-Dichlorobenzene	mg/L	0.0001			<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001	
1,4-Dichlorobenzene	mg/L	0.0001		0.06	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001	
2-Chlorotoluene	mg/L	0.0005		0.003	<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
4-Chlorotoluene	mg/L	0.0005		0.003	<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
Bromobenzene	mg/L	0.0001			<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	
Chlorobenzene	mg/L	0.0005		0.055	<0.0005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001	
Hexachlorobenzene	mg/L	0.0001			<0.004	<0.004	<0.004	<0.0													

Location Code	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36	MW36
Sampled Date Time	7/03/2003	12/12/2003	10/03/2004	10/06/2004	14/09/2004	18/09/2005	20/09/2006	3/04/2008	6/04/2009	23/06/2009	17/09/2009	2/06/2010	20/06/2011	28/09/2006	3/04/2008	6/04/2009	23/06/2009	2/06/2010		
Field ID	MW36	MW36	MW36	MW36	MW36	MW36	MW36	Q4068-03	Q5664-01	Q5677-01	Q5207-03	Q5244-02	Q8111-04	MWG60	Q4068-05	Q5663-03	Q5677-06	Q5244-05		
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands

ChemName	output unit	EQL	Risk Based Criteria Damplands Excluding Swimming	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria																		
Isopropylbenzene	mg/L	0.0005		0.03	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
n-Butylbenzene	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
n-Propylbenzene	mg/L	0.0001			<0.001	<0.005	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
p-Isopropyltoluene	mg/L	0.0005		0.085	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
sec-Butylbenzene	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Styrene	mg/L	0.0005		0.072	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
tert-Butylbenzene	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Toluene	mg/L	0.0001		0.3	0.006 - 0.007	<0.005	<0.001	<0.001	0.012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Xylenes (m & p)	mg/L	0.0001		0.275	0.002	<0.005	<0.001	<0.001	0.061	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Xylene (o)	mg/L	0.0001		0.35	<0.001	<0.005	<0.001	<0.001	0.017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Xylenes (Sum of m,p & o)	mg/L	0.0002			0.0025	<0.01	<0.002	<0.002	0.078	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Other																						
Silica	mg/L	0.022																				
PAH																						
Naphthalene	mg/L	0.0001		0.016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	
Total Petroleum Hydrocarbons																						
Total C6-C36	mg/L	0.05										<0.05	<0.05			<0.05	<0.05		<0.05	<0.05	<0.05	
TPH C 6 - C 9 Fraction	mg/L	0.0001	22.9	5	<0.02	<0.02	<0.02	<0.02	0.17	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH C10 - C14 Fraction	mg/L	0.01			<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH C15 - C28 Fraction	mg/L	0.05			<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	0.26	<0.05	<0.05	<0.05	
TPH C29-C36 Fraction	mg/L	0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	0.52	<0.05	<0.05	<0.05	
Volatile Organic Compounds																						
1,1,1,2-Tetrachloroethane	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1,1-Trichloroethane	mg/L	0.0005		0.27	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1,2,2-Tetrabromoethane	mg/L	0.0001										<0.0001				<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	
1,1,2,2-Tetrachloroethane	mg/L	0.0001																<0.0001				
1,1,2-Tribromoethane	mg/L	0.0001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1,2-Trichloroethane	mg/L	0.0005		6.5														<0.0001	<0.0001	<0.0001	<0.0001	
1,1-Dichloroethane	mg/L	0.0005		0.09	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloroethene	mg/L	0.0005		0.7	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,1-Dichloropropene	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,2,3-Trichloropropane	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	
cis- & trans-1,2-Dibromoethene	mg/L	0.0001											<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	
1,2-Dichloroethane	mg/L	0.0005		1.9	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,2-Dichloropropane	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1,3-Dichloropropane	mg/L	0.0005		0.26	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2,2-Dichloropropane	mg/L	0.0005			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Allyl chloride	mg/L	0.002																				
Bromochloromethane	mg/L	0.0001								<0.001	<0.001	<0.001	<0.0001	<0.001		<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	
Bromodichloromethane	mg/L	0.0001	0.25	1.6	0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001		<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	
Bromoethane	mg/L	0.0001											<0.0001			<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	
Bromoethyne	mg/L	0.0001											<0.0001			<0.0001						

Table 6: Damplands Groundwater Analytical Results

Location Code	MWG60	MWG60	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG63	MWG63	MWG63	MWG63	MWG63	MWG63	MWG66	MWG66	MWG66
Sampled Date Time	25/02/2011	19/06/2011	11/10/2006	17/03/2008	30/03/2009	22/09/2009	26/05/2010	20/06/2011	11/10/2006	30/03/2008	30/03/2009	22/09/2009	26/05/2010	20/06/2011	3/04/2008	14/10/2008	6/04/2009	
Field ID	Q6092-02	Q8109-01/Q8110-01	MWG62	Q4058-01	Q5658-01	Q5210-01	Q5239-01	Q8111-02	MWG63	Q4064-01	Q5658-02	Q5210-02	Q5239-03	Q8111-01	Q4068-02	Q4982-10	Q5663-02	
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	

ChemName	output unit	EQL	Risk Based Criteria Damplands Excluding Swimming	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria																				
Sample Quality Parameters																								
Electrical Conductivity @ 25°C	uS/cm	2			2000																			
Sum of Ions		0			1120																			
Total Dissolved Solids @180°C	mg/L	1			1100		470	770	960			540	430	470				360		480				
Sodium	mg/L	0.05						210	240				110	99				100		100				
Sodium (Filtered)	mg/L	0.05			330		120					140												
Potassium	mg/L	0.05						7.1	7.7				5.3	5.9				5.5		5.1				
Potassium (Filtered)	mg/L	0.05			11		7.8					10												
Calcium	mg/L	0.05						3.1	4.2				10	7.9				8.2		6.9				
Calcium (Filtered)	mg/L	0.05			23		37					38												
Magnesium	mg/L	0.05		82				62	70				16	17				16		16				
Magnesium (Filtered)	mg/L	0.05		82	38		23					21												
Chloride	mg/L	1			600		150	410	480			200	160	140				160		140				
Sulphate (as SO4)	mg/L	1			66			44	48				25	24				50		72				
Sulphate (as SO4) (Filtered)	mg/L	1					87					31												
Bicarbonate Alkalinity (as CaCO3)	mg/L	1					92	14	10			96	22	20				40		40				
Carbonate Alkalinity (as CaCO3)	mg/L	1			<1		<1	<1	<1			<1	<1	<1				<1		<1				
Nitrogen (Total Oxidised)	mg/L	0.005			<0.005																			
Nitrate (as N)	mg/L	0.005		7	<0.005		23	8	10		9.6	2	47	20	17		18	15	<0.2		<1			
Nitrate (as NO3-)	mg/L	1				<1																		
Nitrate as NO3(2-)	mg/L	0.9						35					88					<0.9						
Nitrite (as N)	mg/L	0.005			<0.005		<1	<1				<1	<1					<1						
Ammonia (as N)	mg/L	0.005			0.074		0.31	0.13				0.32	<0.01					0.08						
Total Kjeldahl Nitrogen (as N)	mg/L	0.05			0.18		1.5	0.1				1.3	<0.1					0.2						
Nitrogen (Total) (Calculated)	mg/L	0.05			0.18																			
Fluoride	mg/L	1					<1	<1				<1	<1					<1						
Total Organic Carbon	mg/L	0.2			0.3			3					1					1						
Actual (Anion / Cation) Difference	ME/L	0.01																						
Ionic Balance	%	-100			-2																			
Phosphorus	mg/L	0.01					<0.01	<0.01				<0.01	0.01					0.03						
Total Alkalinity (as CaCO3)	mg/L	1			57		92	14	10			96	22	20				40		40				
Total Anions	meq/L	0.01																						
Total Cations	meq/L	0.01																						
Heavy Metals																								
Aluminium	mg/L	0.001	309	0.055				0.088	0.51	0.055			0.013	0.43	<0.001	0.02					0.018			
Aluminium (Filtered)	mg/L	0.001	309	0.055		<0.001	<0.001			0.16	0.045	0.01					0.011	0.001						
Arsenic	mg/L	0.0002		0.013		<0.0005	<0.0001	<0.0002	<0.0005	0.0005			<0.0002	<0.0005	<0.0005	<0.0005	0.011	0.001			<0.0005			
Arsenic (Filtered)	mg/L	0.0002		0.013		<0.0005	0.0006			0.0008	<0.0005	0.0005					<0.0005	0.0008						
Cadmium	mg/L	0.00005		0.0002				0.0002	<0.0001	<0.0005			<0.00005	<0.0001	<0.0005	<0.0002					<0.0001			
Cadmium (Filtered)	mg/L	0.00005		0.0002		<0.0002	<0.00005			<0.0002	<0.0002	<0.00005					<0.0002	<0.00005						
Chromium	mg/L	0.0002		0.001				0.0004	0.001	0.001			0.0002	0.0013	0.011	<0.001					<0.0002			
Chromium (Filtered)	mg/L	0.0002		0.001		<0.001	0.0003			<0.001	0.001	<0.0002					0.001	0.0002						
Cobalt	mg/L	0.001								0.003					<0.001									
Copper	mg/L	0.0005		0.0014				0.0011	0.0013	<0.001				0.003	0.0014	0.006	<0.001				<0.0005			
Copper (Filtered)	mg/L	0.0005		0.0014																				
Iron (ferrous)	mg/L	0.05			1.2	1.2	0.45	0.06				3.2	0.08				0.002	0.0006						
Iron	mg/L	0.001	217	0.3	0.07	0.15		0.068	0.43				0.085	0.48		0.007					1.4			
Iron (Filtered)	mg/L	0.001	217	0.3	1.3	1.7	0.45			0.029	0.006	3					<0.001	2.1						
Lead	mg/L	0.0001		0.0034				0.0004	<0.001	<0.001			<0.0001	0.001	<0.001	<0.001	<0.001				<0.001			
Lead (Filtered)	mg/L	0.0001		0.0034		<0.001	<0.0001			<0.001	<0.001	<0.0001					<0.001	<0.0001						
Manganese	mg/L	0.001	14.2	1.9				0.09	0.077				0.18	0.12		0.071		<0.001	<0.0001		0.13			
Manganese (Filtered)	mg/L	0.001	14.2	1.9		0.097	0.39			0.086	0.04	0.44					0.054	0.34						
Mercury	mg/L	0.00001		0.00006				<0.00001	0.00001	<0.00001			<0.00001	0.00001	<0.00001	<0.00006					0.00001			
Mercury (Filtered)	mg/L	0.00001		0.00006		<0.00005	<0.00001			<0.00006	<0.00005	<0.00001					<0.00005	<0.00001			0.00001			
Nickel	mg/L	0.0002	3.86	0.011				0.012	0.004	0.003			0.0091	0.004	0.005	0.004					<0.001			
Nickel (Filtered)	mg/L	0.0002	3.86	0.011		<0.001	0.0051			0.004	0.006	0.005		0.008	0.27	0.27	0.01		0.005	0.0008				
Zinc	mg/L	0.0005		0.008				0.21	0.29	0.33				0.008	0.27	0.27	0.01				0.001			
Zinc (Filtered)	mg/L	0.0005		0.008		<0.001	0.014			0.009	0.045	0.013					0.026	0.002						
Halogenated Benzenes																								
1,2,3-Trichlorobenzene	mg/L	0.0005		0.003	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001			
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001				<0.0001	<0.0001				<0.0001	<0.0001					<0.0001	<0.0001						
1,2,4-Trichlorobenzene	mg/L	0.0001		0.085	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001			
1,2-Dichlorobenzene	mg/L	0.0001		0.16	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001			
1,3,5-Trichlorobenzene	mg/L	0.0001				<0.0001	<0.0001					<0.0001					<0.0001	<0.0001						
1,3-Dichlorobenzene	mg/L	0.0001			<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001			
1,4-Dichlorobenzene	mg/L	0.0001		0.06	<0.0003	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001			
2-Chlorotoluene	mg/L	0.0005		0.003	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0												

Table 6: Damplands Groundwater Analytical Results

Location Code	MWG60	MWG60	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62	MWG62
Sampled Date Time	25/02/2011	19/06/2011	11/10/2006	17/03/2008	30/03/2009	22/09/2009	26/05/2010	20/06/2011	11/10/2006	30/03/2008	30/03/2009	22/09/2009	26/05/2010	20/06/2011	3/04/2008	14/10/2008	6/04/2009		
Field ID	Q6092-02	Q8109-01/Q8110-01	MWG62	Q4058-01	Q5658-01	Q5210-01	Q5239-01	Q8111-02	MWG63	Q4064-01	Q5658-02	Q5210-02	Q5239-03	Q8111-01	Q4068-02	Q4982-10	Q5663-02		
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands		

ChemName	output unit	EQL	Risk Based Criteria Damplands Excluding Swimming	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria																
Isopropylbenzene	mg/L	0.0005		0.03	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.0001			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.0005		0.085	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.0005		0.072	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.0001		0.3	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.0001		0.275	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.0001		0.35	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.0002			<0.0015	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
Other																				
Silica	mg/L	0.022			38	39														
PAH																				
Naphthalene	mg/L	0.0001		0.016		<0.001	<0.0001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001	<0.001		<0.001	<0.001	<0.0001	<0.001
Total Petroleum Hydrocarbons																				
Total C6-C36	mg/L	0.05				<0.05		<0.05	<0.05		<0.05	<0.05		<0.05	0.13		0.09	0.16	<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.0001	22.9	5	<0.04	<0.01	<0.01	<0.01	<0.01		<0.01	0.02	<0.01	0.01	0.13		0.09	0.16	<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.01				<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.05				<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.05				<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.0005		0.27	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001					<0.0001						<0.0001							
1,1,2,2-Tetrachloroethane	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.0005		6.5	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.0005		0.09	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.0005		0.7	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/L	0.0005		1.9	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.0005		0.26	<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.0005			<0.0005	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
Allyl chloride	mg/L	0.002			<0.002															
Bromochloromethane	mg/L	0.0001			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	1.6		<0.0001	<0.0001	<0.0001	<0.0001		<0.0001 - 0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001				<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
Bromoethyne	mg/L	0.0001				<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0							

Table 6: Damplands Groundwater Analytical Results

Location Code	MWG66	MWG66	MWG66	MWG66	MWG66	MWG68	MWG68	MWG68	MWG68	MWG68	MWG68
Sampled Date Time	23/06/2009	2/06/2010	2/06/2010	25/02/2011	19/06/2011	3/04/2008	6/04/2009	23/06/2009	16/09/2009	2/06/2010	19/06/2011
Field ID	Q5677-04	Q5244-03	Q5244-04	Q6092-01	Q8109-02/Q8110-02	Q4068-01	Q5663-01	Q5677-03	Q5204-11	Q5244-01	Q8109-03/Q8110-03
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands

ChemName	output unit	EQL	Risk Based Criteria Damplands Excluding Swimming	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria										
Sample Quality Parameters														
Electrical Conductivity @ 25°C	uS/cm	2					720							
Sum of Ions	meq/L	0					412							
Total Dissolved Solids @180°C	mg/L	1					420		320	400				
Sodium	mg/L	0.05							90	94				
Sodium (Filtered)	mg/L	0.05					100							
Potassium	mg/L	0.05							4.6	4.6				
Potassium (Filtered)	mg/L	0.05					5.8							
Calcium	mg/L	0.05							6.9	7				
Calcium (Filtered)	mg/L	0.05					8.5							
Magnesium	mg/L	0.05		82					13	14				
Magnesium (Filtered)	mg/L	0.05		82			18							
Chloride	mg/L	1					170		120	130				
Sulphate (as SO4)	mg/L	1					56		70	85				
Sulphate (as SO4) (Filtered)	mg/L	1							26	20				
Bicarbonate Alkalinity (as CaCO3)	mg/L	1							<1	<1				
Carbonate Alkalinity (as CaCO3)	mg/L	1					<1							
Nitrogen (Total Oxidised)	mg/L	0.005					<0.005							
Nitrate (as N)	mg/L	0.005		7		<0.01	<0.005		<0.2	<1		<0.01		
Nitrate (as NO3-)	mg/L	1						<1					<1	
Nitrate as NO3(2-)	mg/L	0.9							<0.9					
Nitrite (as N)	mg/L	0.005					<0.005		<1					
Ammonia (as N)	mg/L	0.005					0.13		0.04					
Total Kjeldahl Nitrogen (as N)	mg/L	0.05					0.38		0.1					
Nitrogen (Total) (Calculated)	mg/L	0.05					0.38							
Fluoride	mg/L	1							<1					
Total Organic Carbon	mg/L	0.2					0.8		1					
Actual (Anion / Cation) Difference	ME/L	0.01												
Ionic Balance	%	-100					-3							
Phosphorus	mg/L	0.01							0.04					
Total Alkalinity (as CaCO3)	mg/L	1					45		26	20				
Total Anions	meq/L	0.01												
Total Cations	meq/L	0.01												
Heavy Metals														
Aluminium	mg/L	0.001	309	0.055						0.019				
Aluminium (Filtered)	mg/L	0.001	309	0.055		0.009	0.006	<0.001	0.007			0.007	<0.001	
Arsenic	mg/L	0.0002		0.013						<0.0005				
Arsenic (Filtered)	mg/L	0.0002		0.013		0.0005	0.0005	<0.0005	0.0005			<0.0005	<0.0005	
Cadmium	mg/L	0.00005		0.0002						<0.0001				
Cadmium (Filtered)	mg/L	0.00005		0.0002		<0.0002	<0.0002	<0.0002	<0.00005			<0.0002	<0.0002	
Chromium	mg/L	0.0002		0.001						<0.0002				
Chromium (Filtered)	mg/L	0.0002		0.001		<0.001	<0.001	<0.001	0.0002			<0.001	<0.001	
Cobalt	mg/L	0.001												
Copper	mg/L	0.0005		0.0014						0.0005				
Copper (Filtered)	mg/L	0.0005		0.0014		0.001	<0.001		0.0012			<0.001	<0.001	
Iron (ferrous)	mg/L	0.05					2.8		0.99					<0.05
Iron	mg/L	0.001	217	0.3			0.16	0.23		1.2				0.59
Iron (Filtered)	mg/L	0.001	217	0.3		1.1	1.1	3	3	1.3		0.71		0.68
Lead	mg/L	0.0001		0.0034						<0.001				
Lead (Filtered)	mg/L	0.0001		0.0034		<0.001	<0.001		<0.0001			<0.001	<0.001	
Manganese	mg/L	0.001	14.2	1.9						0.23				
Manganese (Filtered)	mg/L	0.001	14.2	1.9		0.11	0.11		0.12			0.17	0.11	
Mercury	mg/L	0.00001		0.00006						<0.0001				
Mercury (Filtered)	mg/L	0.00001		0.00006		<0.00006	<0.00006	<0.00005	<0.00001			<0.00006	<0.00005	
Nickel	mg/L	0.0002	3.86	0.011						<0.001				
Nickel (Filtered)	mg/L	0.0002	3.86	0.011		<0.001	<0.001	<0.001	0.0006			<0.001	<0.001	
Zinc	mg/L	0.0005		0.008						0.001				
Zinc (Filtered)	mg/L	0.0005		0.008		0.002	0.002	<0.001	0.005			0.002	<0.001	
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005		0.003		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001							<0.0001					
1,2,4-Trichlorobenzene	mg/L	0.0001		0.085		<0.001	<0.001	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.0001		0.16		<0.001	<0.001	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001								<0.0001				
1,3-Dichlorobenzene	mg/L	0.0001				<0.001	<0.001	<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.0001		0.06		<0.001	<0.001	<0.0003	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.0005		0.003		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005		0.003		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001				<0.001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.0005		0.055		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene	mg/L	0.0001							<0.0001					
Pentachlorobenzene	mg/L	0.0001							<0.0001					
Herbicides														
Dinoseb	mg/L	0.0001							<0.0001					
Pronamide	mg/L	0.002												
MAH														
1,2,4-trimethylbenzene	mg/L	0.0001		0.033		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.0001		0.071		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.0005		0.95		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.0001		0.08		<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 6: Damplands Groundwater Analytical Results

Location Code	MWG66	MWG66	MWG66	MWG66	MWG66	MWG68	MWG68	MWG68	MWG68	MWG68	MWG68
Sampled Date Time	23/06/2009	2/06/2010	2/06/2010	25/02/2011	19/06/2011	3/04/2008	6/04/2009	23/06/2009	16/09/2009	2/06/2010	19/06/2011
Field ID	Q5677-04	Q5244-03	Q5244-04	Q6092-01	Q8109-02/Q8110-02	Q4068-01	Q5663-01	Q5677-03	Q5204-11	Q5244-01	Q8109-03/Q8110-03
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands

ChemName	output unit	EQL	Risk Based Criteria Damplands Excluding Swimming	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria										
Isopropylbenzene	mg/L	0.0005		0.03	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.0001			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.0005		0.085	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.0005		0.072	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.0001		0.3	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.0001		0.275	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.0001		0.35	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.0002			<0.002	<0.002		<0.0015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Other														
Silica	mg/L	0.022						32	30					34
PAH														
Naphthalene	mg/L	0.0001		0.016	<0.001	<0.001			<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05				<0.05			<0.05	<0.05			<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.0001	22.9	5		<0.01		<0.04	<0.01	<0.01			<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.01				<0.01			<0.01	<0.01			<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.05				<0.05			<0.05	<0.05			<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.05				<0.05			<0.05	<0.05			<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.0005		0.27	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001				<0.0001			<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001												
1,1,2,2-Tetrachloroethane	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001					
1,1,2-Tribromoethane	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.0005		6.5	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.0005		0.09	<0.001	<0.001		0.0018	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.0005		0.7	<0.001	<0.001		0.0006	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.001	<0.0001		<0.0005	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.0001		<0.0005	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001		0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/L	0.0005		1.9	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.0005		0.26	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Allyl chloride	mg/L	0.002						<0.002						
Bromochloromethane	mg/L	0.0001			<0.001	<0.0001		<0.0005	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	1.6	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
Bromoethyne	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
Bromoform	mg/L	0.0001	0.25	0.32	<0.001	<0.0001			<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001		<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.002		0.02				<0.002						
Carbon tetrachloride	mg/L	0.0005		0.24	<0.001	<0.0007		<0.0005	<0.001	<0.001	<0.001	<0.0001	<0.0007	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	1400	<0.001	<0.0001			<0.0001	<0.025	0.018	0.015	<0.0241	0.01485
Chloroethane	mg/L	0.001			<0.001	<0.001		<0.005	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
Chloroform	mg/L	0.001	0.25	0.37	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001			<0.001	<0.001		<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001		0.59		<0.0001			0.0007	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/L	0.0005			<0.001	<0.001		0.0029	0.011	<0.0001	<0.0001		<0.0001	<0.0001
cis-1,3-Dichloropropene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001						<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	mg/L	0.0001			<0.001	<0.0001		<0.0005	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001		<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.005		4	<0.01	<0.01		<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001		<0.0005	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001
Hexachloroethane	mg/L	0.0001								<0.0001				
Iodomethane	mg/L	0.001						<0.005						
Pentachloroethane	mg/L	0.0001								<0.0001				
Trichloroethene	mg/L	0.0005	0.0847	0.33				0.003	0.003	<0.001	0.006	0.003	<0.001	0.004
Tetrabromoethane	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
Tetrabromoethene	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
Tetrachloroethene	mg/L	0.0001	1.75	0.07	<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trihalomethanes	mg/L				<0.004	<0.0013			<0.0013	<0.001	<0.0013	<0.004	<0.004	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001			0.0003	<0.0001	<0.0001		<0.0001	<0.0001
trans-1,2-dichloroethene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.0005			<0.001	<0.001		<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001						<0.001						
1,1,2-Tribromoethene	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.001			<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001				<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
Vinyl chloride	mg/L	0.0003		0.1	<0.001	<0.001		<0.0003	0.003	<0.001	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 7: Helena River Surface Water Analytical Results

Location Code	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG06	SG06
Sampled Date Time	15/10/2008	8/04/2009	13/05/2009	13/05/2009	24/06/2009	24/06/2009	24/06/2009	21/09/2009	28/07/2010	28/07/2010	7/07/2011	7/07/2011	15/10/2008	8/04/2009
Field ID	Q4984-01	Q5668-04	Q5673-02	Q5673-03	Q5678-08	Q5678-09	Q5679 - 01	Q5205-07	Q6064-03	Q6064-04	Q8122-05	Q8122-06	Q4984-02	Q5668-01
Monitoring Zone	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River

ChemName	output unit	EQL	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria	Risk Based Criteria May 08 Helena River														
Heavy Metals																		
Aluminium	mg/L	0.001	0.055	152	0.044	0.025							0.11	0.11			0.037	0.02
Aluminium (Filtered)	mg/L	0.001	0.055	152											0.033	0.032		
Arsenic	mg/L	0.0002	0.013		<0.0005	<0.0002							<0.0005	<0.0005			<0.0005	0.0014
Arsenic (Filtered)	mg/L	0.0005	0.013												<0.0005	<0.0005		
Cadmium	mg/L	0.00005	0.0002		<0.0005	<0.00005							<0.0001	<0.0001			<0.0005	<0.00005
Cadmium (Filtered)	mg/L	0.0005	0.0002												<0.0005	<0.0005		
Chromium	mg/L	0.0002	0.001		<0.001	0.0002							<0.001	<0.001			<0.001	0.0002
Chromium (Filtered)	mg/L	0.001	0.001												<0.001	<0.001		
Copper	mg/L	0.0005	0.0014		<0.001	0.0005							0.001	0.001			<0.001	0.0007
Copper (Filtered)	mg/L	0.001	0.0014												0.001	<0.001		
Iron (ferrous)	mg/L	0.05			0.1												0.1	
Iron	mg/L	0.001	0.3	106	1.9	21							1.1	1.1			1.8	38
Iron (Filtered)	mg/L	0.001	0.3	106											0.32	0.33		
Lead	mg/L	0.0001	0.0034		<0.001	<0.0001							<0.001	<0.001			<0.001	<0.0001
Lead (Filtered)	mg/L	0.001	0.0034												<0.001	<0.001		
Manganese	mg/L	0.0005	1.9	9.1	0.065	1.2							0.034	0.034			0.05	0.85
Manganese (Filtered)	mg/L	0.001	1.9	9.1											0.017	0.018		
Mercury	mg/L	0.00005	0.00006		<0.0005	<0.0001							<0.00005	<0.00005			<0.0005	<0.0001
Mercury (Filtered)	mg/L	0.0005	0.00006												<0.0005	<0.0005		
Nickel	mg/L	0.0005	0.011	1.92	<0.001	<0.0005							<0.001	<0.001			<0.001	<0.0005
Nickel (Filtered)	mg/L	0.001	0.011	1.92											<0.001	<0.001		
Zinc	mg/L	0.001	0.008		0.007	0.055							0.002	0.002			0.008	0.004
Zinc (Filtered)	mg/L	0.001	0.008												0.017	0.008		
Halogenated Benzenes																		
1,2,3-Trichlorobenzene	mg/L	0.001	0.003		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene	mg/L	0.001	0.085		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.001	0.16		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.001	0.06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.001	0.003		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.001	0.003		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Chlorobenzene	mg/L	0.001	0.055		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MAH																		
1,2,4-trimethylbenzene	mg/L	0.001	0.033		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	0.071		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.95		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.001	0.08		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	0.03		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	0.085		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.072		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.001	0.3		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.001	0.275		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.001	0.35		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Total MAHs	mg/L				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.03	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Other																		
Ferrous Iron	mg/L	0.1				8.9												0.1
PAH																		
Naphthalene	mg/L	0.001	0.016		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sample Quality Parameters																		
Nitrate (as N)	mg/L	0.01	7		<1	<1							0.45	0.45	0.83	0.03	<1	<1
Total Petroleum Hydrocarbons																		
Total C6-C36	mg/L	0.05			<0.05	<0.05							<0.05	<0.05	<0.05	<0.05	<0.05	0.13
TPH C 6 - C 9 Fraction	mg/L	0.01	5	8	<0.01	<0.01							<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.01			<0.01	<0.01							<0.01	<0.01	<0.01	<0.01	<0.01	0.02
TPH C15 - C28 Fraction	mg/L	0.05			<0.05	<0.05							<0.05	<0.05	<0.05	<0.05	<0.05	0.09
TPH C29-C36 Fraction	mg/L	0.05			<0.05	<0.05							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH+C10 - C36 (Sum of total) (Calculated)	mg/L				<0.11	<0.11							<0.11	<0.11	<0.11	<0.11	<0.11	0.135
Volatile Organic Compounds																		
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001	0.27		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 7: Helena River Surface Water Analytical Results

Location Code	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG05	SG06	SG06
Sampled Date Time	15/10/2008	8/04/2009	13/05/2009	13/05/2009	24/06/2009	24/06/2009	24/06/2009	21/09/2009	28/07/2010	28/07/2010	7/07/2011	7/07/2011	15/10/2008	8/04/2009
Field ID	Q4984-01	Q5668-04	Q5673-02	Q5673-03	Q5678-08	Q5678-09	Q5679 - 01	Q5205-07	Q6064-03	Q6064-04	Q8122-05	Q8122-06	Q4984-02	Q5668-01
Monitoring Zone	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River

ChemName	output unit	EQL	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria	Risk Based Criteria May 08 Helena River													
1,1,2-Tribromoethane	mg/L	0.0001				<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.001	6.5		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.001	0.09		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.001	0.7		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001
1,2-Dichloroethane	mg/L	0.001	1.9		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001	0.26		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001		<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Bromodichloromethane	mg/L	0.0001	1.6	0.25	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Bromoethane	mg/L	0.0001				<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001
Bromoethyne	mg/L	0.0001				<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001
Bromoform	mg/L	0.0001	0.32	0.25	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.005	0.02								<0.005						
Carbon tetrachloride	mg/L	0.0001	0.24		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorinated Hydrocarbons	mg/l				<0.025	0.014	<0.025	<0.025	<0.025	<0.025	<0.12	<0.0241	<0.025	<0.025	<0.025	<0.025	<0.025
Chlorodibromomethane	mg/L	0.0001	1400	0.25	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Chloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.001	0.37	0.25	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001	0.59			<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001
cis-1,2-Dichloroethene	mg/L	0.001			<0.001	0.001	0.001	0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.005									<0.005						
Dibromomethane	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	4		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	mg/L	0.005									<0.005						
Pentachloroethane	mg/L	0.005									<0.005						
Trichloroethene	mg/L	0.001	0.33	0.0356	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001				<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001		<0.0001
Tetrabromoethene	mg/L	0.0001				<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001		<0.0001
Tetrachloroethene	mg/L	0.001	0.07	0.686	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trihalomethanes	mg/L				<0.004	<0.0013	<0.0013	<0.0013	<0.004	<0.004	<0.02	<0.004	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001		<0.0001
trans-1,2-dichloroethene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.005									<0.005						
1,1,2-Tribromoethene	mg/L	0.0001				<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001		<0.0001
Trichlorofluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Vinyl chloride	mg/L	0.001	0.1		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 7: Helena River Surface Water Analytical Results

Location Code	SG06	SG06	SG06	SG06	SG06	SG06	SG06	SG06	SG07	SG07	SG07	SG07	SG07
Sampled Date Time	8/04/2009	8/04/2009	13/05/2009	24/06/2009	21/09/2009	28/07/2010	7/07/2011	15/10/2008	24/06/2009	21/09/2009	28/07/2010	7/07/2011	
Field ID	Q5668-02	Q5669 - 01	Q5673-01	Q5678-02	Q5205-06	Q6064-02	Q8122-07	Q4984-03	Q5678-01	Q5205-05	Q6064-01	Q8122-08	
Monitoring Zone	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	

ChemName	output unit	EQL	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria	Risk Based Criteria May 08 Helena River											
Heavy Metals															
Aluminium	mg/L	0.001	0.055	152	0.02	0.039 - 0.04				0.11		0.065		0.11	
Aluminium (Filtered)	mg/L	0.001	0.055	152							0.026				0.016
Arsenic	mg/L	0.0002	0.013		0.0013	<0.001 - 0.0017				<0.0005		<0.0005		<0.0005	
Arsenic (Filtered)	mg/L	0.0005	0.013								<0.0005				<0.0005
Cadmium	mg/L	0.00005	0.0002		<0.00005	<0.00005				<0.0001		<0.0005		<0.0001	
Cadmium (Filtered)	mg/L	0.0005	0.0002								<0.0005				<0.0005
Chromium	mg/L	0.0002	0.001		0.0003	<0.001 - 0.0003				<0.001		<0.001		<0.001	
Chromium (Filtered)	mg/L	0.001	0.001								<0.001				<0.001
Copper	mg/L	0.0005	0.0014		0.0007	<0.001 - 0.0007				0.001		<0.001		0.001	
Copper (Filtered)	mg/L	0.001	0.0014								0.003				0.018
Iron (ferrous)	mg/L	0.05				0.09						0.1			
Iron	mg/L	0.001	0.3	106	39	43.6 - 45.3				1.1		1.9		1.1	
Iron (Filtered)	mg/L	0.001	0.3	106							0.31				0.12
Lead	mg/L	0.0001	0.0034		<0.0001	<0.001 - 0.0003				<0.001		<0.001		<0.001	
Lead (Filtered)	mg/L	0.001	0.0034								<0.001				<0.001
Manganese	mg/L	0.0005	1.9	9.1	0.88	0.87 - 0.886				0.033		0.06		0.031	
Manganese (Filtered)	mg/L	0.001	1.9	9.1							0.014				0.011
Mercury	mg/L	0.00005	0.00006		<0.0001	<0.0001				<0.00005		<0.0005		<0.00005	
Mercury (Filtered)	mg/L	0.0005	0.00006								<0.0005				<0.0005
Nickel	mg/L	0.0005	0.011	1.92	<0.0005	<0.001 - 0.0009				<0.001		<0.001		<0.001	
Nickel (Filtered)	mg/L	0.001	0.011	1.92							0.001				0.001
Zinc	mg/L	0.001	0.008		0.007	<0.005 - 0.004				0.004		0.019		0.002	
Zinc (Filtered)	mg/L	0.001	0.008								0.027				0.022
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.001	0.003		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene	mg/L	0.001	0.085		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.001	0.16		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.001	0.06		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.001	0.003		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.001	0.003		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0001	<0.005	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.001	0.055		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MAH															
1,2,4-trimethylbenzene	mg/L	0.001	0.033		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	0.071		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	0.95		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.001	0.08		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	0.03		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	0.085		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	0.072		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.001	0.3		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.001	0.275		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.001	0.35		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L				<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Total MAHs	mg/L				<0.006	<0.03	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Other															
Ferrous Iron	mg/L	0.1			0.1										
PAH															
Naphthalene	mg/L	0.001	0.016		<0.001	<0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sample Quality Parameters															
Nitrate (as N)	mg/L	0.01	7		<1	0.03				0.46	0.08	<1		0.45	0.14
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05			<0.05					<0.05	<0.05	<0.05		<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L	0.01	5	8	<0.01	<0.02				<0.01	<0.01	<0.01		<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.01			<0.01	<0.05				<0.01	<0.01	<0.01		<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.05			<0.05	0.3				<0.05	<0.05	<0.05		<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.05			<0.05	0.07				<0.05	<0.05	<0.05		<0.05	<0.05
TPH+C10 - C36 (Sum of total) (Calculated)	mg/L				<0.11	0.395				<0.11	<0.11	<0.11		<0.11	<0.11
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001	0.27		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001	<0.001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 7: Helena River Surface Water Analytical Results

Location Code	SG06	SG06	SG06	SG06	SG06	SG06	SG06	SG06	SG07	SG07	SG07	SG07	SG07
Sampled Date Time	8/04/2009	8/04/2009	13/05/2009	24/06/2009	21/09/2009	28/07/2010	7/07/2011	15/10/2008	24/06/2009	21/09/2009	28/07/2010	7/07/2011	
Field ID	Q5668-02	Q5669 - 01	Q5673-01	Q5678-02	Q5205-06	Q6064-02	Q8122-07	Q4984-03	Q5678-01	Q5205-05	Q6064-01	Q8122-08	
Monitoring Zone	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	Helena River	

ChemName	output unit	EQL	Risk Based Criteria May 08 Aquatic Ecosystem Screening Criteria	Risk Based Criteria May 08 Helena River												
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	
1,1,2-Trichloroethane	mg/L	0.001	6.5		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.001	0.09		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.001	0.7		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.005	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.005	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	mg/L	0.001	1.9		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001	0.26		<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001		<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	1.6	0.25	<0.0001	<0.005	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
Bromoethyne	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
Bromoform	mg/L	0.0001	0.32	0.25	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.005	0.02			<0.005										
Carbon tetrachloride	mg/L	0.0001	0.24		<0.001	<0.005	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001
Chlorinated Hydrocarbons	mg/l				<0.025	<0.12	<0.025	<0.025	<0.0241	<0.025	<0.025	<0.025	<0.025	<0.0241	<0.025	<0.025
Chlorodibromomethane	mg/L	0.0001	1400	0.25	<0.0001	<0.005	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Chloroethane	mg/L	0.001			<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.001	0.37	0.25	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001			<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001	0.59		<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
cis-1,2-Dichloroethene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.005				<0.005										
Dibromomethane	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	4		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	mg/L	0.005				<0.005										
Pentachloroethane	mg/L	0.005				<0.005										
Trichloroethene	mg/L	0.001	0.33	0.0356	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
Tetrabromoethene	mg/L	0.0001			<0.0001		<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
Tetrachloroethene	mg/L	0.001	0.07	0.686	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trihalomethanes	mg/L				<0.0013	<0.0151	<0.0013	<0.004	<0.004	<0.0013	<0.0013	<0.004	<0.004	<0.004	<0.0013	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
trans-1,2-dichloroethene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.005				<0.005										
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.001			<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001			<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.0001
Vinyl chloride	mg/L	0.001	0.1		<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 8: Analytical Results for Additional Wells

Location Code	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW02	MW02	MW02	MW02	MW02
Sampled Date Time	22/11/2001	12/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	7/07/2011	21/11/2001	12/03/2003	12/12/2003	10/03/2004	8/06/2004
Field ID	MW01	MW01	MW01	MW01	MW01	MW01	Q8122-03	MW02	MW02	MW02	MW02	MW02
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309										
Aluminium (Filtered)	mg/L	0.001	309	309						0.007				
Arsenic	mg/L	0.0005	0.00241	0.00241										
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	0.023	0.011				0.0062	<0.001	<0.001		
Cadmium	mg/L	0.0001	0.309	0.309										
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.001	<0.001				<0.0005	<0.001	<0.001		
Chromium	mg/L	0.0002	0.928	0.928										
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.005	0.002				<0.001	<0.001	<0.001		
Cobalt	mg/L	0.001												
Copper	mg/L	0.0005												
Copper (Filtered)	mg/L	0.0005			0.039	0.001				0.002	0.002	0.001		
Iron (ferrous)	mg/L	0.05												
Iron	mg/L	0.001	217	217										
Iron (Filtered)	mg/L	0.001	217	217						25				
Lead	mg/L	0.001												
Lead (Filtered)	mg/L	0.0001			<0.001	<0.001				<0.001	<0.001	<0.001		
Manganese	mg/L	0.001	14.2	14.2										
Manganese (Filtered)	mg/L	0.001	14.2	14.2						0.12				
Mercury	mg/L	0.0001												
Mercury (Filtered)	mg/L	0.00001			<0.001	0.0001				<0.0005	<0.001	<0.0001		
Nickel	mg/L	0.001	3.86	3.86										
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	0.218	0.068				0.013	0.006	0.004		
Zinc	mg/L	0.001												
Zinc (Filtered)	mg/L	0.0005			0.023	<0.005				0.023	0.025	0.018		
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.005	<0.0005	<0.0005
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001												
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.01	<0.0005	<0.002	<0.01	<0.002	<0.002	<0.001	<0.002	<0.0005	<0.0005
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.5 - 0.042	0.113 - 0.132	<0.1 - 0.076	<0.1 - 0.116	0.0575 - 0.069	<0.5 - 0.052	0.021	<0.002	<0.0005	<0.0005
1,3,5-Trichlorobenzene	mg/L	0.0001												
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.01	<0.02 - 0.0034	<0.002	<0.01	<0.002	<0.002	0.001	<0.002	<0.0005	<0.0005
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.01	<0.02 - 0.0125	<0.1 - 0.006	<0.01	<0.005 - 0.007	<0.5 - 0.004	0.002	<0.002	<0.0005	<0.0005
2-Chlorotoluene	mg/L	0.0001			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.005	<0.0005	<0.0005
4-Chlorotoluene	mg/L	0.0005			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.005	<0.0005	<0.0005
Bromobenzene	mg/L	0.0001			<0.5	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.0001	<0.005	<0.0005	<0.0005
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.2	<0.002 - 0.0033	<0.1	<0.1	<0.005	<0.5	0.004	<0.002	<0.0005	<0.0005
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	1.4	0.572	0.734	<0.2	0.597	<1	0.65	<0.005	<0.001	<0.005
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.494	0.341	0.226	<0.2	0.198	<1	0.26	<0.005	<0.001	<0.005
Benzene	mg/L	0.001	0.00274	0.00274	<0.1	0.036 - 0.039	<0.2	<0.2	0.012	<1	0.003	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	8.85 - 10.9	8.4 - 8.53	4.82	7.77	6.55	3.66	3.2	<0.002	<0.001	<0.005
Isopropylbenzene	mg/L	0.000001	4.16	534	0.141	0.087	<0.2	<0.2	0.043	<1	0.037	<0.005	<0.001	<0.005
n-Butylbenzene	mg/L	0.001			<0.5	0.006	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
n-Propylbenzene	mg/L	0.000001	0.595	42.2	0.212	0.103	<0.2	<0.2	<0.01	<1	0.015	<0.005	<0.001	<0.005
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.5	0.009	<0.2	<0.2	<0.01	<1	0.005	<0.005	<0.001	<0.005
sec-Butylbenzene	mg/L	0.000001			<0.5	0.01	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
Styrene	mg/L	0.0001	0.9	585	0.143	0.099	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
tert-Butylbenzene	mg/L	0.00001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
Toluene	mg/L	0.000001	28.8	382	36.5	26.8 - 27.7	14.7	11.2	24.4	13.3	9.8	<0.002	<0.001	<0.005
Xylenes (m & p)	mg/L	0.000001	89	122	42.1	34.1 - 37.2	23	37.1	32.1	18.6	21	<0.002	<0.001	<0.005
Xylene (o)	mg/L	0.000001	89	122	16.2	1.31 - 13.2	9.7	13.8	12.7	7.71	10	<0.002	<0.001	<0.005
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	58.3	50.4	32.7	50.9	44.8	26.31	31	<0.004	<0.002	<0.01
PAH														
Naphthalene	mg/L	0.000001	1.89	23.7	<0.7 - 0.042	0.031 - 0.037	<0.2 - 0.0348	<0.2 - 0.019	0.028 - 0.0456	<1 - 0.022	0.025	<0.002	<0.0001	<0.0001
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05									68			
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		160	149	76.7	123	83.2	62.7	61	0.388	0.201	0.055
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	123	29.1	15.9	24.5	16.4	6.19	6.7	0.088	<0.05	<0.05
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	23.8	7.27	3.5	4.81	5.05	3.65	0.45	0.173	<0.1	<0.1
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	2.91	0.729	0.095	<0.05	0.359	<0.05	0.11	0.09	<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,1,1-Trichloroethane	mg/L	0.000001			0.351	0.096	<0.2	<0.2	0.047	<1	0.029	0.012	<0.001	<0.005
1,1,2,2-Tetrabromoethane	mg/L	0.0001									<0.0001			
1,1,2,2-Tetrabromoethene	mg/L	0.0001												
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,1,2-Tribromoethane	mg/L	0.0001									<0.0001			
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	0.003
1,1-Dichloroethane	mg/L	0.000001			0.249	0.256	<0.2	0.236	0.097	<1	0.019	<0.005	<0.001	<0.005
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.249	<0.001	<0.2	<0.2	<0.01	<1	0.001	<0.005	<0.001	<0.005
1,1-Dichloropropene	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,2,3-Trichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.5	<0.005	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.005	<0.005
1,2-Dibromoethane	mg/L	0.0001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2						<0.0001				

Table 8: Analytical Results for Additional Wells

Location Code	MW01	MW01	MW01	MW01	MW01	MW01	MW01	MW02	MW02	MW02	MW02	MW02
Sampled Date Time	22/11/2001	12/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	7/07/2011	21/11/2001	12/03/2003	12/12/2003	10/03/2004	8/06/2004
Field ID	MW01	MW01	MW01	MW01	MW01	MW01	Q8122-03	MW02	MW02	MW02	MW02	MW02
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005	<0.001
Bromochloromethane	mg/L	0.0001									<0.0001				
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005	<0.001
Bromoethane	mg/L	0.0001									<0.0001				
Bromoethyne	mg/L	0.0001									<0.0001				
Bromoform	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005	<0.001
Bromomethane	mg/L	0.001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05	<0.01
Carbon disulfide	mg/L	0.0001			<0.5	<0.005	<0.2	<0.2	<0.01	<1		<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005	<0.001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<5	<0.01	<2	<2	<0.1	<10	0.003	<0.05	<0.01	<0.05	<0.01
Chloroform	mg/L	0.000001	0.25	0.25	0.2	0.143	<0.2	<0.2	0.034	<1	<0.001	0.033	0.007	<0.005	<0.001
Chloromethane	mg/L	0.000001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05	<0.01
cis-1,2-Dibromoethene	mg/L	0.0001									<0.0001				
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	7.92	3.01	1.78	<0.2	1.11	<1	0.39	0.009	0.001	<0.005	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<1	<0.002	<0.4	<0.4	<0.02	<2	<0.001	<0.01	<0.002	<0.01	<0.002
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1		<0.005	<0.001	<0.005	<0.001
Dibenz(a,j)acridine	mg/L	0.001													
Dibromomethane	mg/L	0.0001			<0.5	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.005	<0.001	<0.005	<0.001
Dichlorodifluoromethane	mg/L	0.001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05	<0.01
Dichloromethane	mg/L	0.0001	0.0397	0.0397							<0.01				
Hexachlorobutadiene	mg/L	0.0001			<0.002	<0.001	<0.002	<0.01	<0.002	<0.002	<0.001	<0.002	<0.001	<0.002	<0.001
Hexachloroethane	mg/L	0.0001			<0.01	<0.02	<0.002	<0.01	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
Iodomethane	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1		<0.005	<0.001	<0.005	<0.001
Pentachloroethane	mg/L	0.0001			<0.5	<0.005	<0.2	<0.2	<0.01	<1		<0.005	<0.005	<0.005	<0.005
Pyridine	mg/L	0.001													
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.2	0.041	<0.2	<0.2	0.019	<1	0.024	0.013	0.007	<0.005	<0.001
Tetrabromoethane	mg/L	0.0001									<0.0001				
Tetrabromoethene	mg/L	0.0001									<0.0001				
Tetrachloroethene	mg/L	0.000001	1.75	321	0.497	0.122	<0.2	<0.2	0.07	<1	0.091	0.172	0.147	0.051	0.06
Trihalomethanes	mg/L				0.25 - 0.95	0.0005 - 0.1445	<0.2	<0.2	0.005 - 0.049	<1	<0.0013	0.0025 - 0.0405	0.0005 - 0.0085	<0.005	<0.001
trans-1,2-Dibromoethene	mg/L	0.0001									<0.0001				
trans-1,2-dichloroethene	mg/L	0.000001			<0.5	0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.005	<0.001	<0.005	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<1	<0.002	<0.4	<0.4	<0.02	<2	<0.001	<0.01	<0.002	<0.01	<0.002
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.5	<0.001	<0.2	<0.2	<0.01	<1		<0.005	<0.001	<0.005	<0.001
Tribromoethane	mg/L	0.0001													
1,1,2-Tribromoethene	mg/L	0.0001									<0.0001				
Trichlorofluoromethane	mg/L	0.000001			<5	<0.01	<2	<2	<0.1	<10	<0.001	<0.05	<0.01	<0.05	<0.01
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113							<0.0001				
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<5	<0.01	<2	<1	<0.05	<5	<0.001	<0.05	<0.01	<0.05	<0.01

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 8: Analytical Results for Additional Wells

Location Code	MW02	MW02	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW04	MW04	MW04
Sampled Date Time	14/09/2004	4/07/2011	22/11/2001	11/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	5/07/2011	22/11/2001	12/03/2003	11/12/2003	
Field ID	MW02	Q8119-01	MW03	MW03	MW03	MW03	MW03	MW03	Q8120-04	MW04	MW04	MW04	
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation											
Heavy Metals															
Aluminium	mg/L	0.001	309	309											
Aluminium (Filtered)	mg/L	0.001	309	309		0.01							0.006		
Arsenic	mg/L	0.0005	0.00241	0.00241											
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241		<0.0005	0.019	0.029					<0.0005	0.037	0.008
Cadmium	mg/L	0.0001	0.309	0.309											
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309		<0.0005	<0.001	<0.001					<0.0005	<0.001	<0.001
Chromium	mg/L	0.0002	0.928	0.928											
Chromium (Filtered)	mg/L	0.0002	0.928	0.928		<0.001	<0.005	0.004					<0.001	<0.005	0.004
Cobalt	mg/L	0.001													
Copper	mg/L	0.0005													
Copper (Filtered)	mg/L	0.0005				<0.001	0.003	0.002					0.008	0.042	<0.001
Iron (ferrous)	mg/L	0.05													
Iron	mg/L	0.001	217	217											
Iron (Filtered)	mg/L	0.001	217	217		<0.001							0.067		
Lead	mg/L	0.001													
Lead (Filtered)	mg/L	0.0001				<0.001	<0.001	<0.001					<0.001	0.001	<0.001
Manganese	mg/L	0.001	14.2	14.2											
Manganese (Filtered)	mg/L	0.001	14.2	14.2		<0.001							0.002		
Mercury	mg/L	0.0001													
Mercury (Filtered)	mg/L	0.00001				<0.0005	<0.001	<0.0001						<0.001	0.0003
Nickel	mg/L	0.001	3.86	3.86											
Nickel (Filtered)	mg/L	0.0002	3.86	3.86		<0.001	0.144	0.071					0.015	0.041	0.035
Zinc	mg/L	0.001													
Zinc (Filtered)	mg/L	0.0005				<0.001	0.01	0.004					0.033	0.034	0.013
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.0005				<0.0005	<0.001	<0.005	<0.0005	<0.005	0.0138	<0.0005	<0.0005	<0.001	<0.5
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001													<0.0005
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5		<0.0005	<0.001	<0.002	<0.0005	<0.002	<0.002 - 0.0208	<0.0005	<0.0005	<0.001	<0.01
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5		<0.0005	<0.001	0.023 - 0.029	0.006 - 0.0383	0.018 - 0.024	<0.005 - 0.029	<0.0005 - 0.032	<0.0005	<0.001	<0.01
1,3,5-Trichlorobenzene	mg/L	0.0001													<0.0005
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8		<0.0005	<0.001	<0.002	<0.004 - 0.0016	<0.002	<0.002	<0.0005	<0.0005	<0.001	<0.01
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373		<0.0005	<0.001	0.004 - 0.005	<0.005 - 0.0065	<0.005 - 0.004	<0.005 - 0.004	<0.002 - 0.0013	<0.001	<0.01	<0.0005
2-Chlorotoluene	mg/L	0.0001				<0.0005	<0.001	<0.005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.001	<0.5
4-Chlorotoluene	mg/L	0.0005				<0.0005	<0.001	<0.005	<0.0005	<0.005	<0.005	<0.0005	0.0009	<0.001	<0.5
Bromobenzene	mg/L	0.0001				<0.0005	<0.0001	<0.005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.0001	<0.5
Chlorobenzene	mg/L	0.000001	2.74	80.3		<0.0005	<0.001	<0.002	<0.002 - 0.0014	<0.005	<0.005	<0.0005	<0.0005	<0.001	<0.2
MAH															
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11		<0.001	<0.001	0.082	0.311	0.176	<0.01	<0.001	0.015	<0.001	2.31
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65		<0.001	<0.001	0.033	0.075	0.041	0.133	<0.001	0.008	<0.001	0.701
Benzene	mg/L	0.001	0.00274	0.00274		<0.001	<0.001	<0.001	0.007 - 0.009	<0.005	<0.01	<0.001	0.001	<0.001	<0.1
Ethylbenzene	mg/L	0.000001	9.33	3440		<0.001	<0.001	0.124	0.847 - 0.869	0.608	1.17	<0.001	0.097	<0.001	8.11
Isopropylbenzene	mg/L	0.000001	4.16	534		<0.001	<0.001	<0.005	0.015	0.008	<0.01	<0.001	0.004	<0.001	0.117
n-Butylbenzene	mg/L	0.001				<0.001	<0.001	<0.005	0.002	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
n-Propylbenzene	mg/L	0.000001	0.595	42.2		<0.001	<0.001	<0.005	0.02	0.011	<0.01	<0.001	0.005	<0.001	0.248
p-Isopropyltoluene	mg/L	0.000001	4.5	529		<0.001	<0.001	<0.005	0.008	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
sec-Butylbenzene	mg/L	0.000001				<0.001	<0.001	<0.005	0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
Styrene	mg/L	0.0001	0.9	585		<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	0.164
tert-Butylbenzene	mg/L	0.00001				<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
Toluene	mg/L	0.000001	28.8	382		<0.001	<0.001	0.0628 - 0.063	0.097 - 0.147	0.008	<0.01	<0.001	0.007	<0.001	45.5
Xylenes (m & p)	mg/L	0.000001	89	122		<0.001	<0.001	0.175 - 0.2	3.32 - 3.58	0.826	3.77	<0.001	0.01	<0.001	29.4
Xylene (o)	mg/L	0.000001	89	122		<0.001	<0.001	0.131	1.98 - 2.04	0.363	2.31	<0.001	0.006	<0.001	13.8
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122		<0.002	<0.002	0.331	5.62	1.189	6.08	<0.002	0.016	<0.002	43.2
PAH															
Naphthalene	mg/L	0.000001	1.89	23.7		<0.0001	<0.001	<0.007 - 0.005	0.017 - 0.0202	0.012 - 0.016	<0.01 - 0.0579	<0.007 - 0.031	<0.0001 - 0.008	<0.001	0.149 - 0.229
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05					<0.05							<0.05	
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920			0.035	<0.01	2.28	34.9	2.37	9.36	0.187	0.156	<0.01	108
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325		<0.05	<0.01	4.64	4.72	1.29	4.12	1.84	<0.05	<0.01	426
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486		<0.1	<0.05	7.73	2.74	1.35	2.18	1.13	0.851	<0.05	56.9
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200		<0.05	<0.05	1.16	0.168	0.22	0.13	<0.05	<0.05	<0.05	0.975
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001				<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
1,1,1-Trichloroethane	mg/L	0.000001				<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	0.001	0.375
1,1,2,2-Tetrabromoethane	mg/L	0.0001					<0.0001							<0.0001	
1,1,2,2-Tetrabromoethene	mg/L	0.0001													
1,1,2,2-Tetrachloroethane	mg/L	0.001				<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
1,1,2-Tribromoethane	mg/L	0.0001					<0.0001							<0.0001	
1,1,2-Trichloroethane	mg/L	0.0001	0.00267	0.00267		<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
1,1-Dichloroethane	mg/L	0.000001				<0.001	<0.001	0.054	0.001	<0.005	0.019	0.011	0.003	<0.001	0.267
1,1-Dichloroethene	mg/L	0.000001	3.51	172		<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
1,1-Dichloropropene	mg/L	0.001				<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
1,2,3-Trichloropropane	mg/L	0.001				<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5
1,2-Dibromo-3-chloropropane	mg/L	0.0001				<0.005	<0.0001	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.0001	<0.5
1,2-Dibromoethane	mg/L	0.0001				<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.0001	<0.5
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	1.46	54.2		<0.0001							<0.0001		

Table 8: Analytical Results for Additional Wells

Location Code	MW02	MW02	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW03	MW04	MW04	MW04
Sampled Date Time	14/09/2004	4/07/2011	22/11/2001	11/03/2003	12/12/2003	9/03/2004	9/06/2004	15/09/2004	5/07/2011	22/11/2001	12/03/2003	11/12/2003	
Field ID	MW02	Q8119-01	MW03	MW03	MW03	MW03	MW03	MW03	Q8120-04	MW04	MW04	MW04	
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation												
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	0.015	<0.2
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	<0.001	<0.2
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	<0.001	<0.2
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	<0.001	<0.2
Bromochloromethane	mg/L	0.0001				<0.0001							<0.0001			
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.0001	<0.5	<0.001	<0.2
Bromoethane	mg/L	0.0001				<0.0001							<0.0001			
Bromoethyne	mg/L	0.0001				<0.0001							<0.0001			
Bromoform	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.0001	<0.5	<0.001	<0.2
Bromomethane	mg/L	0.001			<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<0.001	<5	<0.01	<2
Carbon disulfide	mg/L	0.0001			<0.005		<0.005	<0.005	<0.005	<0.01	<0.005	0.038		<0.5	<0.005	<0.2
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	<0.001	<0.2
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.0001	<0.5	<0.001	<0.2
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<0.001	<5	<0.01	<2
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	0.001	<0.001	0.254	0.267	0.49
Chloromethane	mg/L	0.000001			<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<0.001	<5	<0.01	<2
cis-1,2-Dibromoethene	mg/L	0.0001				<0.0001							<0.0001			
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	<0.001	<0.001	2.78	1.34	0.327	0.604	0.159	0.084	<0.001	0.342	0.523	1.11
cis-1,3-Dichloropropene	mg/L	0.001			<0.002	<0.001	<0.01	<0.002	<0.01	<0.02	<0.002	<0.002	<0.001	<1	<0.002	<0.4
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.001		<0.005	<0.001	<0.005	<0.01	<0.001	<0.001		<0.5	<0.001	<0.2
Dibenz(a,j)acridine	mg/L	0.001														
Dibromomethane	mg/L	0.0001			<0.001	<0.0001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.0001	<0.5	<0.001	<0.2
Dichlorodifluoromethane	mg/L	0.001			<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<0.001	<5	<0.01	<2
Dichloromethane	mg/L	0.0001	0.0397	0.0397		<0.01							<0.01			
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.01	<0.001	<0.04
Hexachloroethane	mg/L	0.0001			<0.002		<0.002	<0.004	<0.002	<0.002	<0.002	<0.002		<0.01	<0.02	<0.04
Iodomethane	mg/L	0.001			<0.001		<0.005	<0.001	<0.005	<0.01	<0.001	<0.001		<0.5	<0.001	<0.2
Pentachloroethane	mg/L	0.0001			<0.005		<0.005	<0.005	<0.005	<0.01	<0.005	<0.005		<0.5	<0.005	<0.2
Pyridine	mg/L	0.001														
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.001	<0.001	<0.005	0.002	<0.005	<0.01	0.002	0.018	0.001	0.246	0.22	0.418
Tetrabromoethane	mg/L	0.0001				<0.0001							<0.0001			
Tetrabromoethene	mg/L	0.0001				<0.0001							<0.0001			
Tetrachloroethene	mg/L	0.000001	1.75	321	0.032	0.007	<0.005	0.014	0.018	0.036	0.018	0.11	0.025	0.547	0.539	5.74
Trihalomethanes	mg/L				<0.001	<0.0013	<0.005	<0.001	<0.005	<0.01	<0.001	0.0005 - 0.0025	<0.0013	0.25 - 1.004	0.0005 - 0.2685	0.1 - 0.79
trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001							<0.0001			
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	0.003	<0.2
trans-1,3-dichloropropene	mg/L	0.001			<0.002	<0.001	<0.01	<0.002	<0.01	<0.02	<0.002	<0.002	<0.001	<1	<0.002	<0.4
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.001		<0.005	<0.001	<0.005	<0.01	<0.001	<0.001	<0.001	<0.5	<0.001	<0.2
Tribromoethane	mg/L	0.0001														
1,1,2-Tribromoethene	mg/L	0.0001				<0.0001							<0.0001			
Trichlorofluoromethane	mg/L	0.000001			<0.01	<0.001	<0.05	<0.01	<0.05	<0.1	<0.01	<0.01	<0.001	<5	<0.01	<2
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113		<0.0001							<0.0001			
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.01	<0.001	<0.05	<0.01	<0.05	<0.05	<0.01	<0.01	<0.001	<5	<0.01	<2

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

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Checked by: TMB

Table 8: Analytical Results for Additional Wells

Location Code	MW04	MW04	MW04	MW05	MW05	MW05	MW05	MW05	MW05	MW05	MW05	MW05	MW05	MW05	MW05	MW05
Sampled Date Time	16/09/2004	29/09/2005	2/08/2011	22/11/2001	12/03/2003	12/12/2003	10/03/2004	9/06/2004	15/09/2004	6/07/2011	11/03/2003	22/09/2005	15/10/2006			
Field ID	MW04	MW04	Q6653-01	MW05	MW05	MW05	MW05	MW05	MW05	Q8121-01	MW27	MW27	MW27			
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control			

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation												
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	0.023	0.033	0.02	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001				<0.0001	<0.0001						<0.0001		<0.001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001
Bromoethane	mg/L	0.0001				<0.0001	<0.0001						<0.0001			<0.0001
Bromoethyne	mg/L	0.0001				<0.0001	<0.0001						<0.0001			<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001
Bromomethane	mg/L	0.001			<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.01	<0.001
Carbon disulfide	mg/L	0.0001			<0.005			<0.005	0.005	<0.005	<0.005	<0.005	0.01		<0.005	
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.01	<0.0001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.001	<0.01	<0.001	<0.001
Chloroform	mg/L	0.000001	0.25	0.25	0.345	0.3	0.19	<0.005	0.006	<0.005	<0.001	0.001	<0.001	<0.001	0.002	<0.001
Chloromethane	mg/L	0.000001			<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.01	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001				0.0012	<0.0001						<0.0001			<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	2.06	1.6	6.4	0.295	0.467	0.105	0.183	0.166	0.058	<0.001	0.002	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.002	<0.001	<0.001	<0.01	<0.002	<0.01	<0.002	<0.002	<0.002	<0.001	<0.002	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001			<0.001			<0.005	<0.001	<0.005	<0.001	<0.001	<0.001		<0.001	
Dibenz(a,j)acridine	mg/L	0.001														
Dibromomethane	mg/L	0.0001			<0.001	<0.0001	<0.0001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.01	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397		0.3	<0.01						<0.01		<0.1	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001
Hexachloroethane	mg/L	0.0001			<0.1	<0.005		<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.002	<0.0001
Iodomethane	mg/L	0.001			<0.001			<0.005	<0.001	<0.005	<0.001	<0.001	<0.001		<0.001	
Pentachloroethane	mg/L	0.0001			<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.0001
Pyridine	mg/L	0.001														
Trichloroethene	mg/L	0.000001	0.0351	0.0351	1.28	0.24	0.18	<0.005	0.007	0.013	0.014	0.018	0.027	0.002	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001				<0.0001	<0.0001							<0.0001		
Tetrabromoethene	mg/L	0.0001				<0.0001	<0.0001							<0.0001		
Tetrachloroethene	mg/L	0.000001	1.75	321	2.11	0.77	0.53	0.015	0.06	0.027	0.051	0.055	0.112	0.035	<0.001	<0.001
Trihalomethanes	mg/L				0.0005 - 0.3465	0.0005 - 0.30015		<0.005	0.0005 - 0.0075	<0.005	<0.001	0.0005 - 0.0025	<0.001	<0.0013	0.0005 - 0.0035	<0.001
trans-1,2-Dibromoethene	mg/L	0.0001				0.0003	<0.0001							<0.0001		<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			0.005	0.008	0.008	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.002	<0.001	<0.001	<0.01	<0.002	<0.01	<0.002	<0.002	<0.002	<0.001	<0.002	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001			<0.001			<0.005	<0.001	<0.005	<0.001	<0.001	<0.001		<0.001	
Tribromoethane	mg/L	0.0001				<0.0001										
1,1,2-Tribromoethene	mg/L	0.0001				0.0002	<0.0001							<0.0001		<0.0001
Trichlorofluoromethane	mg/L	0.000001			<0.01	<0.001	<0.001	<0.05	0.192	<0.05	0.081	0.074	0.017	0.005	<0.01	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113		0.0001	<0.0001							<0.0001		<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.01	<0.001	<0.001	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.001	<0.01	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 8: Analytical Results for Additional Wells

Location Code	MW27	MW28	MW28	MW28	MW44	MW44	MW44	MW44	MW44	MW44	MW44	MWG50	MWG50	MWG50
Sampled Date Time	5/07/2011	10/03/2003	18/10/2006	4/07/2011	12/03/2003	11/12/2003	9/03/2004	9/06/2004	15/09/2004	6/07/2011	28/09/2005	17/10/2006	30/06/2011	
Field ID	Q8120-02	MW28	MW28	Q8119-04	MW44	MW44	MW44	MW44	MW44	Q8121-04	MWG50	MWG50	Q8118-01	
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Oliver St	Oliver St	Oliver St	

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation												
Heavy Metals																
Aluminium	mg/L	0.001	309	309												
Aluminium (Filtered)	mg/L	0.001	309	309	<0.001		<0.001	<0.001					0.001	0.019	<0.001	<0.001
Arsenic	mg/L	0.0005	0.00241	0.00241												
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	<0.0005	<0.001	0.006	0.0018	0.005				0.012	<0.0005	0.001	<0.0005
Cadmium	mg/L	0.0001	0.309	0.309												
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.0005	<0.001	<0.00005	<0.0005	<0.001				<0.0005	<0.0005	<0.00005	<0.0005
Chromium	mg/L	0.0002	0.928	0.928												
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001	<0.001	0.0022	<0.001	<0.001				<0.001	<0.001	<0.0002	<0.001
Cobalt	mg/L	0.001														
Copper	mg/L	0.0005														
Copper (Filtered)	mg/L	0.0005			<0.001	0.001	0.0056	<0.001	<0.001				0.001		<0.0005	<0.001
Iron (ferrous)	mg/L	0.05					9.4							<0.1	<0.05	
Iron	mg/L	0.001	217	217												
Iron (Filtered)	mg/L	0.001	217	217	0.1		9.9	1.2					70	0.063	0.019	<0.001
Lead	mg/L	0.001														
Lead (Filtered)	mg/L	0.0001			<0.001	<0.001	<0.0001	<0.001	<0.001				<0.001	<0.001	<0.0001	<0.001
Manganese	mg/L	0.001	14.2	14.2												
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.072		0.021	0.01					0.036	0.43	0.14	0.068
Mercury	mg/L	0.0001														
Mercury (Filtered)	mg/L	0.00001				<0.0001	<0.00001	<0.0005	0.0005				<0.0005	<0.0005	<0.00001	<0.0005
Nickel	mg/L	0.001	3.86	3.86												
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	<0.001	0.005	0.03	0.007	0.005				0.005	0.001	0.014	0.001
Zinc	mg/L	0.001														
Zinc (Filtered)	mg/L	0.0005			0.02	0.02	0.03	<0.001	0.02				0.016	0.064	<0.0005	<0.001
Halogenated Benzenes																
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001												<0.005	<0.0001	
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.04	<0.01	<0.002	<0.01	<0.001	<0.0001	<0.001
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.001	0.006 - 0.0065	0.003	0.002	<0.0005	<0.04	<0.01	0.0178 - 0.019	<0.5 - 0.02	0.011	<0.001	<0.0001
1,3,5-Trichlorobenzene	mg/L	0.0001												<0.005	<0.0001	
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.001	0.016	0.003	0.004	<0.0005	<0.04	<0.01	<0.002	<0.01	<0.001	<0.0001	<0.001
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.001	0.003	0.001	0.001	<0.0005	<0.04	<0.01	<0.002	<0.01	0.001	<0.001	<0.0001
2-Chlorotoluene	mg/L	0.0001			<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0001	<0.0005	<0.001	<0.0001	<0.0005	<0.1	<0.1	<0.005	<0.5	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.001	0.0031 - 0.004	0.001	<0.001	<0.0005	<0.1	<0.1	<0.005	<0.5	0.006	<0.001	<0.001
MAH																
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	<0.001	0.013	0.017	0.012	0.698	0.984	<0.2	0.757	3.27	0.65	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	<0.001	0.006	0.006	0.002	0.178	0.264	<0.2	0.216	1.09	0.21	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	<0.001	0.002 - 0.003	0.004	0.001	0.095 - 0.099	<0.2	<0.2	0.028	<1	0.04	<0.001	0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	<0.001	0.005	0.011	0.002	13.9 - 14.2	11.8	11	8.54	23	8.9	<0.001	<0.001
Isopropylbenzene	mg/L	0.000001	4.16	534	<0.001	<0.001	<0.001	<0.001	0.099	<0.2	<0.2	0.057	<1	0.083	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	0.003	<0.2	<0.2	<0.01	<1	0.005	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	<0.001	0.001	0.001	<0.001	0.088	<0.2	<0.2	<0.01	<1	0.1	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.001	0.001	0.001	<0.001	0.007	<0.2	<0.2	<0.01	<1	0.2	<0.001	<0.001
sec-Butylbenzene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	0.006	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	<0.001	<0.001	<0.001	0.26	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	<0.001	0.016 - 0.018	0.041	0.003	90.4 - 93.6	81	28.9	57.5	94.2	65	<0.001	<0.001
Xylenes (m & p)	mg/L	0.000001	89	122	<0.001	0.032 - 0.035	0.012	0.005	57.8 - 60.5	39.7	42.2	33.5	85.8	38	<0.001	<0.001
Xylene (o)	mg/L	0.000001	89	122	<0.001	0.022 - 0.026	0.023	0.008	19.8 - 20.1	18.1	16.5	13	32.5	15	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	<0.002	0.061	0.035	0.013	80.6	57.8	58.7	46.5	118.3	53	<0.002	<0.002
PAH																
Naphthalene	mg/L	0.000001	1.89	23.7	<0.001	<0.007 - 0.0006	<0.001	<0.001	<0.001 - 0.016	<0.2 - 0.0262	<0.2 - 0.0501	0.075 - 0.079	<1 - 0.0546	0.029	<0.001	<0.0001
Total Petroleum Hydrocarbons																
Total C6-C36	mg/L	0.05			<0.05			0.6						190		<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		<0.01	3.31	0.5	0.1	275	213	205	120	215	180	<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	<0.01	1.7	2.6	0.4	137	125	89.5	78.5	57.4	6.6	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.05	0.895	0.95	0.1	9.34	3.54	3.07	3.59	2.63	0.65	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	<0.05	<0.05	4.29	<0.5	<0.05	0.189	0.147	<0.05	<0.05	<0.05
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	0.333	0.008	<0.001	0.098	<0.2	<0.2	0.022	<1	0.015	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001												<0.0001	<0.0001	
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane</																

Table 8: Analytical Results for Additional Wells

Location Code	MW27	MW28	MW28	MW28	MW44	MW44	MW44	MW44	MW44	MW44	MWG50	MWG50	MWG50
Sampled Date Time	5/07/2011	10/03/2003	18/10/2006	4/07/2011	12/03/2003	11/12/2003	9/03/2004	9/06/2004	15/09/2004	6/07/2011	28/09/2005	17/10/2006	30/06/2011
Field ID	Q8120-02	MW28	MW28	Q8119-04	MW44	MW44	MW44	MW44	MW44	Q8121-04	MWG50	MWG50	Q8118-01
Monitoring Zone	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Waste Control	Oliver St	Oliver St	Oliver St

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation													
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.001	0.074	0.004	0.03	0.023	<0.2	<0.2	<0.01	<1	0.006	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001		<0.001	<0.0001						<0.0001	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	0.005	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.0001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001	<0.0001	<0.0001
Bromoethyne	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001	<0.0001	<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	0.002	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.0001	<0.0001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.01	<0.001	<0.001	<0.01	<2	<2	<0.1	<10	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.0001				<0.005			0.029	<0.2	<0.2	<0.01	<1				
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.2	<0.2	<0.01	<1	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.001	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.0001	<0.0001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	<0.001	<0.001	<0.001	<0.001	<0.01	<2	<2	<0.1	<10	0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.000001	0.25	0.25	<0.001	1.86	0.099	0.15	0.379	0.6	0.487	0.156	1.37	0.11	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.000001			<0.001	<0.01	<0.001	<0.001	<0.01	<2	<2	<0.1	<10	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001			<0.0001			0.052						<0.0001	<0.0001	<0.0001	<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	<0.001	0.644	1.1	0.37	0.64	1.11	1.29	0.415	2.46	1.3	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.002	<0.001	<0.001	<0.002	<0.4	<0.4	<0.02	<2	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001				<0.001			<0.001	<0.2	<0.2	<0.01	<1				
Dibenz(a,j)acridine	mg/L	0.001															
Dibromomethane	mg/L	0.0001			<0.0001	<0.001	<0.001	<0.0001	<0.001	<0.2	<0.2	<0.01	<1	<0.0001	<0.0001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.01	<0.001	<0.001	<0.01	<2	<2	<0.1	<10	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397	<0.01		<0.01	<0.01						0.05	<0.1	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.04	<0.01	<0.002	<0.01	<0.001	<0.001	<0.0001	<0.001
Hexachloroethane	mg/L	0.0001				<0.002			<0.02	<0.04	<0.01	<0.002	<0.01		<0.005	<0.0001	
Iodomethane	mg/L	0.001				<0.001			<0.001	<0.2	<0.2	<0.01	<1				
Pentachloroethane	mg/L	0.0001				<0.005			<0.005	<0.2	<0.2	<0.01	<1		<0.005	<0.0001	
Pyridine	mg/L	0.001															
Trichloroethene	mg/L	0.000001	0.0351	0.0351	<0.001	0.419	0.04	0.11	0.065	<0.2	<0.2	<0.01	<1	0.063	<0.001	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001		<0.0001
Tetrabromoethene	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001		<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	<0.001	0.811	0.069	0.22	0.214	0.29	<0.2	0.108	1.76	0.17	<0.001	<0.001	<0.001
Trihalomethanes	mg/L				<0.0013	0.0005 - 1.8675	0.0005 - 0.1005	0.15015	0.0005 - 0.3805	0.1 - 0.9	0.1 - 0.787	0.005 - 0.171	0.5 - 2.87	0.11015	<0.001	<0.001	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001			<0.0001			0.016						<0.0001	<0.0001	<0.0001	<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	0.001	<0.001	0.001	<0.2	<0.2	<0.01	<1	0.004	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.002	<0.001	<0.001	<0.002	<0.4	<0.4	<0.02	<2	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001				<0.001			<0.001	<0.2	<0.2	<0.01	<1				
Tribromoethane	mg/L	0.0001													<0.0001		
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001			<0.0001						<0.0001	<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.000001			<0.001	0.23	0.014	0.069	<0.01	<2	<2	<0.1	<10	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001			0.042						<0.0001	<0.0001	<0.0001	<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.001	<0.01	0.001	<0.001	<0.01	<2	<1	<0.05	<5	0.002	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

Table 8: Analytical Results for Additional Wells

Location Code	MWG51	MWG51	MWG51	MWG51	MWG51	MW32	MW32	MWG32	MWG56	MWG56
Sampled Date Time	28/09/2005	17/10/2006	19/03/2008	25/03/2009	30/06/2011	7/03/2003	9/10/2006	29/06/2011	9/10/2006	30/06/2011
Field ID	MWG51	MWG51	Q4059-06	Q5654-06	Q8118-03	MW32	MW32	Q8117-04	MWG56	Q8118-05
Monitoring Zone	Oliver St	Oliver St	Oliver St	Oliver St	Oliver St	Hanson	Hanson	Hanson	Hanson	Hanson

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
Heavy Metals														
Aluminium	mg/L	0.001	309	309										
Aluminium (Filtered)	mg/L	0.001	309	309	0.02 - 0.022	0.005	<0.001	0.19	<0.001		0.043	0.014	<0.001	0.014
Arsenic	mg/L	0.0005	0.00241	0.00241			0.0012	<0.0005						
Arsenic (Filtered)	mg/L	0.0002	0.00241	0.00241	<0.0005 - 0.004	0.002		0.0027	0.002	0.018	0.0026	0.0011	0.0012	
Cadmium	mg/L	0.0001	0.309	0.309			<0.00005	<0.0001						
Cadmium (Filtered)	mg/L	0.00005	0.309	0.309	<0.0005	<0.00005		<0.0005	<0.001	<0.00005	<0.0005	<0.00005	<0.0005	
Chromium	mg/L	0.0002	0.928	0.928			<0.0002	<0.0002						
Chromium (Filtered)	mg/L	0.0002	0.928	0.928	<0.001	<0.0002		<0.001	<0.001	0.0005	<0.001	0.0005	0.04	
Cobalt	mg/L	0.001												
Copper	mg/L	0.0005					0.0007	<0.0005						
Copper (Filtered)	mg/L	0.0005				0.0007			0.001	0.004	0.0007	0.002	<0.0005	0.005
Iron (ferrous)	mg/L	0.05			2.7 - 3.3	9.5	8.9				15		5.3	
Iron	mg/L	0.001	217	217			11	24						
Iron (Filtered)	mg/L	0.001	217	217	13	17			50		50	4.8	5.7	0.23
Lead	mg/L	0.001					<0.0001	<0.001						
Lead (Filtered)	mg/L	0.0001			<0.001	<0.0001			0.001	<0.001	<0.0001	<0.001	<0.0001	<0.001
Manganese	mg/L	0.001	14.2	14.2			0.21	0.15						
Manganese (Filtered)	mg/L	0.001	14.2	14.2	0.094 - 0.095	0.32			0.26		0.028	0.13	2.2	0.001
Mercury	mg/L	0.0001					0.0019	<0.0001						
Mercury (Filtered)	mg/L	0.00001			<0.0005	<0.00001			<0.0005	<0.0001	<0.00001	<0.0005	<0.00001	<0.0005
Nickel	mg/L	0.001	3.86	3.86			0.0087	0.001						
Nickel (Filtered)	mg/L	0.0002	3.86	3.86	<0.001 - 0.001	0.012			0.001	0.001	0.02	0.008	0.028	<0.001
Zinc	mg/L	0.001					0.042	0.32						
Zinc (Filtered)	mg/L	0.0005			0.06 - 0.061	0.012			0.013	0.035	0.014	0.028	0.015	<0.001
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L	0.0001			<0.005	<0.0001					<0.0001	<0.001	<0.0001	<0.001
1,2,4-Trichlorobenzene	mg/L	0.0001	0.76	21.5	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0005	<0.001 - 0.0001	<0.001	<0.0001	<0.001
1,2-Dichlorobenzene	mg/L	0.000001	39.6	60.5	<0.001	0.0009 - 0.001	<0.001	<0.001	<0.001	0.0025 - 0.004	0.003 - 0.0037	0.002	<0.0001	<0.001
1,3,5-Trichlorobenzene	mg/L	0.0001			<0.005	<0.0001					<0.0001		<0.0001	<0.001
1,3-Dichlorobenzene	mg/L	0.0001	16.8	16.8	<0.001	<0.001 - 0.0001	<0.001	<0.001	<0.001	0.0017 - 0.002	0.001 - 0.0012	0.001	<0.0001	<0.001
1,4-Dichlorobenzene	mg/L	0.000001	0.00373	0.00373	<0.001	<0.001 - 0.0001	<0.001	<0.001	<0.001	<0.002 - 0.0013	<0.001 - 0.001	<0.001	<0.0001	<0.001
2-Chlorotoluene	mg/L	0.0001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.0005			<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.000001	2.74	80.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001
MAH														
1,2,4-trimethylbenzene	mg/L	0.000001	2.11	11	0.005 - 0.006	0.029	0.001	<0.001	<0.001	0.086	0.048	0.075	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.000001	2.76	8.65	0.002	0.008	<0.001	<0.001	<0.001	0.009	0.015	0.002	<0.001	<0.001
Benzene	mg/L	0.001	0.00274	0.00274	0.001	0.003	0.002	0.002	0.002	<0.001	0.001	0.001	0.001	<0.001
Ethylbenzene	mg/L	0.000001	9.33	3440	0.017 - 0.024	0.1	0.002	<0.001	<0.001	0.013	0.027	0.069	<0.001	<0.001
Isopropylbenzene	mg/L	0.000001	4.16	534	<0.001	0.003	<0.001	<0.001	<0.001	0.002	0.002	0.004	<0.001	<0.001
n-Butylbenzene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.000001	0.595	42.2	<0.001	0.003	<0.001	<0.001	<0.001	0.005	0.004	0.006	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.000001	4.5	529	<0.001	0.001	<0.001	<0.001	<0.001	0.003	0.003	0.002	<0.001	<0.001
sec-Butylbenzene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.0001	0.9	585	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.00001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.000001	28.8	382	0.036 - 0.041	0.005	<0.001	<0.001	0.002	0.032 - 0.035	0.07	0.029	<0.001	<0.001
Xylenes (m & p)	mg/L	0.000001	89	122	0.15 - 0.17	0.017	<0.001	<0.001	<0.001	0.057 - 0.065	0.037	0.14	<0.001	<0.001
Xylene (o)	mg/L	0.000001	89	122	0.085 - 0.099	0.011	<0.001	<0.001	<0.001	0.044 - 0.048	0.067	0.19	<0.001	<0.001
Xylenes (Sum of m,p & o)	mg/L	0.000002	89	122	0.235 - 0.269	0.028	<0.002	<0.002	<0.002	0.113	0.104	0.33	<0.002	<0.002
PAH														
Naphthalene	mg/L	0.000001	1.89	23.7	<0.001 - 0.002	0.005 - 0.0056	<0.001	<0.001	<0.001	<0.007 - 0.0026	0.002 - 0.0021	0.004	<0.001 - 0.0001	<0.001
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05					0.07	0.31	<0.05			1.9		<0.05
TPH C 6 - C 9 Fraction	mg/L	0.00001	1920		1 - 1.2	0.21	0.01	0.13	<0.01	0.578	0.51	0.73	<0.01	<0.01
TPH C10 - C14 Fraction	mg/L	0.00001	0.655	325	0.35 - 0.45	0.39	0.06	0.14	0.02	1.34	1.6	1.1	<0.01	<0.01
TPH C15 - C28 Fraction	mg/L	0.00005	9.82	486	<0.05	<0.05	<0.05	0.05	<0.05	0.291	0.67	0.09	<0.05	<0.05
TPH C29-C36 Fraction	mg/L	0.0001	13.1	46200	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
1,1,2,2-Tetrabromoethene	mg/L	0.0001			<0.0001	<0.0001					<0.0001		<0.0001	<0.0001
1,1,2,2-Tetrachloroethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	mg/L	0.00001	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.000001			0.013 - 0.014	0.012	0.009	0.008	0.013	0.051	0.031	0.026	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.000001	3.51	172	0.008 - 0.009	0.006	0.004	<0.001	0.002	0.023	0.017	0.022	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.005	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dibromoethane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.						

Table 8: Analytical Results for Additional Wells

Location Code	MWG51	MWG51	MWG51	MWG51	MWG51	MW32	MW32	MWG32	MWG56	MWG56
Sampled Date Time	28/09/2005	17/10/2006	19/03/2008	25/03/2009	30/06/2011	7/03/2003	9/10/2006	29/06/2011	9/10/2006	30/06/2011
Field ID	MWG51	MWG51	Q4059-06	Q5654-06	Q8118-03	MW32	MW32	Q8117-04	MWG56	Q8118-05
Monitoring Zone	Oliver St	Oliver St	Oliver St	Oliver St	Oliver St	Hanson	Hanson	Hanson	Hanson	Hanson

ChemName	output unit	EQL	Risk Based Criteria Site and Lot 2	Risk Based Criteria Site and Lot 2 only Inhalation										
1,2-Dichloroethane	mg/L	0.000001	0.00126	0.00126	<0.001	<0.001	0.001	<0.001	<0.001	0.003	0.001	0.006	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromodichloromethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001
Bromoethane	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
Bromoethyne	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
Bromoform	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001
Bromomethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.0001								<0.005				
Carbon tetrachloride	mg/L	0.00005	0.00075	0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	0.25	0.25	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001
Chloroethane	mg/L	0.000001	0.0118	0.0118	0.001	0.002	0.002	<0.001	0.003	<0.01	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.000001	0.25	0.25	0.014 - 0.015	0.003	0.003	0.002	<0.001	0.094	0.03	0.1	<0.001	<0.001
Chloromethane	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001			0.014 - 0.015	0.0046		0.0013	0.0016		0.036	0.018	<0.0001	<0.0001
cis-1,2-Dichloroethene	mg/L	0.000001	3.17	47.6	0.047 - 0.053	0.088	0.063	0.074	0.13	0.053	0.24	0.15	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.001								<0.001				
Dibenz(a,j)acridine	mg/L	0.001												
Dibromomethane	mg/L	0.0001			<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001
Dichlorodifluoromethane	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.0001	0.0397	0.0397	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.0001			<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.0001	<0.001
Hexachloroethane	mg/L	0.0001			<0.005	<0.0001				<0.002	<0.0001		<0.0001	
Iodomethane	mg/L	0.001								<0.001				
Pentachloroethane	mg/L	0.0001			<0.005	<0.0001				<0.005	<0.0001		<0.0001	
Pyridine	mg/L	0.001												
Trichloroethene	mg/L	0.000001	0.0351	0.0351	0.004 - 0.005	0.003	0.005	0.006	0.025	0.035	0.036	0.099	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001			<0.0001			<0.0001	<0.0001			<0.0001		<0.0001
Tetrabromoethene	mg/L	0.0001			<0.0001			<0.0001	<0.0001			<0.0001		<0.0001
Tetrachloroethene	mg/L	0.000001	1.75	321	0.089 - 0.1	0.04	0.034	0.014	0.014	0.079	0.083	0.35	<0.001	<0.001
Trihalomethanes	mg/L				0.0005 - 0.01515	0.0005 - 0.00315	0.0005 - 0.0045	0.00215	<0.0013	0.0005 - 0.0955	0.0005 - 0.03015	0.10015	<0.001	<0.0013
trans-1,2-Dibromoethene	mg/L	0.0001			0.0069 - 0.0076	0.0019		<0.0001	0.0004		<0.0001	0.0069	<0.0001	<0.0001
trans-1,2-dichloroethene	mg/L	0.000001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.001								<0.001				
Tribromoethane	mg/L	0.0001			<0.0001									
1,1,2-Tribromoethene	mg/L	0.0001			<0.0001	<0.0001		<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
Trichlorofluoromethane	mg/L	0.000001			<0.001	<0.001	0.001	<0.001	<0.001	0.113	0.2	1.2	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	0.00113	0.00113	<0.0001	0.0017		<0.0001	0.0038		0.032	0.016	<0.0001	<0.0001
Vinyl chloride	mg/L	0.000001	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	0.001	<0.01	<0.001	<0.001	<0.001	<0.001

* A range of results indicates that the laboratory reported different concentrations for the same analyte due to different laboratory methods used for analysis

** For some analytical results, the EQL had to be raised due to interference with other analytes

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW1	1-Nov-2001	NR	18.932	16.821	13.821	3.620	15.312	NR	NR	15.312
	15-Oct-2002	NR	18.932	16.821	13.821	3.680	15.252	NR	NR	15.252
Shallow	5-Mar-2003	14:44	18.932	16.821	13.821	4.257	14.675	ND	ND	14.675
	14-Apr-2003	14:28	18.932	16.821	13.821	3.880	15.052	ND	ND	15.052
Former Waste Control Site	9-Dec-2003	14:42	18.932	16.821	13.821	4.030	14.902	ND	ND	14.902
	9-Jan-2004	14:31	18.932	16.821	13.821	4.222	14.710	ND	ND	14.710
	9-Feb-2004	14:37	18.932	16.821	13.821	4.303	14.629	ND	ND	14.629
	8-Mar-2004	12:52	18.932	16.821	13.821	4.380	14.552	ND	ND	14.552
	8-Apr-2004	12:30	18.932	16.821	13.821	4.430	14.502	ND	ND	14.502
	10-May-2004	13:09	18.932	16.821	13.821	4.482	14.450	ND	ND	14.450
	8-Jun-2004	13:40	18.932	16.821	13.821	4.000	14.932	ND	ND	14.932
	7-Jul-2004	14:07	18.932	16.821	13.821	3.790	15.142	ND	ND	15.142
	9-Aug-2004	14:00	18.932	16.821	13.821	4.845	14.087	ND	ND	14.087
	14-Sep-2004	12:19	20.020	16.821	13.821	4.666	15.354	ND	ND	15.354
	11-Oct-2004	11:02	20.020	16.821	13.821	4.918	15.102	ND	ND	15.102
	11-Nov-2004	14:27	20.020	16.821	13.821	5.052	14.968	ND	ND	14.968
	9-May-2005	13:05	20.020	16.821	13.821	5.075	14.945	ND	ND	14.945
	8-Jun-2005	13:50	20.020	16.821	13.821	4.635	15.385	ND	ND	15.385
	8-Jul-2005	13:00	20.020	16.821	13.821	4.480	15.540	ND	ND	15.540
	19-Aug-2005	13:42	20.020	16.821	13.821	4.530	15.490	ND	ND	15.490
	16-Sep-2005	14:22	20.020	16.821	13.821	4.565	15.455	ND	ND	15.455
	12-May-2008	8:44	20.020	16.821	13.821	5.310	14.710	ND	ND	14.710
	24-Mar-2009	9:22	18.932	16.821	13.821	5.460	13.472	NR	NR	13.472
	24-Aug-2009	9:38	18.932	16.821	13.821	4.645	14.287	NR	NR	14.287
	17-Jun-2011	12:15	18.932	16.821	13.821	5.470	13.462	NR	NR	13.462
MW2	1-Nov-2001	NR	20.028	17.831	14.831	3.680	16.348	NR	NR	16.348
	15-Oct-2002	NR	20.028	17.831	14.831	3.530	16.498	NR	NR	16.498
Shallow	5-Mar-2003	14:16	20.028	17.831	14.831	4.318	15.710	ND	ND	15.710
	14-Apr-2003	13:37	20.028	17.831	14.831	3.710	16.318	ND	ND	16.318
Former Waste Control Site	9-Dec-2003	14:00	20.028	17.831	14.831	3.900	16.128	ND	ND	16.128
	9-Jan-2004	13:15	20.028	17.831	14.831	4.082	15.946	ND	ND	15.946
	9-Feb-2004	14:04	20.028	17.831	14.831	3.761	16.267	ND	ND	16.267
	8-Mar-2004	12:02	20.028	17.831	14.831	4.015	16.013	ND	ND	16.013
	8-Apr-2004	11:01	20.028	17.831	14.831	4.240	15.788	ND	ND	15.788
	10-May-2004	12:47	20.028	17.831	14.831	4.373	15.655	ND	ND	15.655
	8-Jun-2004	13:00	20.028	17.831	14.831	3.410	16.618	ND	ND	16.618
	7-Jul-2004	13:40	20.028	17.831	14.831	3.480	16.548	ND	ND	16.548
	9-Aug-2004	11:00	20.028	17.831	14.831	3.420	16.608	ND	ND	16.608
	14-Sep-2004	11:47	20.028	17.831	14.831	3.300	16.728	ND	ND	16.728
	11-Oct-2004	10:27	20.028	17.831	14.831	3.679	16.349	ND	ND	16.349
	11-Nov-2004	14:00	20.028	17.831	14.831	3.828	16.200	ND	ND	16.200
	9-May-2005	13:43	20.028	17.831	14.831	3.355	16.673	ND	ND	16.673
	8-Jun-2005	14:12	20.028	17.831	14.831	3.110	16.918	ND	ND	16.918
	8-Jul-2005	12:47	20.028	17.831	14.831	3.155	16.873	ND	ND	16.873
	19-Aug-2005	13:28	20.028	17.831	14.831	3.255	16.773	ND	ND	16.773
	16-Sep-2005	14:14	20.028	17.831	14.831	3.272	16.756	ND	ND	16.756
	12-May-2008	9:12	20.028	17.831	14.831	4.040	15.988	ND	ND	15.988
	24-Aug-2009	10:18	20.028	17.831	14.831	3.155	16.756	ND	ND	16.756
	17-Jun-2011	12:45	20.028	17.831	14.831	4.500	15.528	ND	ND	17.756
MW3	1-Nov-2001	NR	19.341	16.423	11.423	5.130	14.211	NR	NR	14.211
	15-Oct-2002	NR	19.341	16.423	11.423	5.130	14.211	NR	NR	14.211
Shallow	5-Mar-2003	14:31	19.341	16.423	11.423	6.623	12.718	ND	ND	12.718
	14-Apr-2003	14:03	19.341	16.423	11.423	DRY	DRY	ND	ND	NA
Former Waste Control Site	9-Dec-2003	13:31	19.341	16.423	11.423	5.680	13.661	ND	ND	13.661
	9-Jan-2004	14:11	19.341	16.423	11.423	6.090	13.251	ND	ND	13.251
	9-Feb-2004	14:29	19.341	16.423	11.423	6.479	12.862	ND	ND	12.862
	8-Mar-2004	13:27	19.341	16.423	11.423	6.800	12.541	ND	ND	12.541
	8-Apr-2004	11:29	19.341	16.423	11.423	7.080	12.261	ND	ND	12.261
	10-May-2004	13:03	19.341	16.423	11.423	7.357	11.984	ND	ND	11.984
	8-Jun-2004	13:27	19.341	16.423	11.423	6.740	12.601	ND	ND	12.601
	7-Jul-2004	14:01	19.341	16.423	11.423	6.170	13.171	ND	ND	13.171
	9-Aug-2004	13:30	19.341	16.423	11.423	5.890	13.451	ND	ND	13.451
	14-Sep-2004	12:06	20.610	16.423	11.423	5.323	15.287	ND	ND	15.287
	11-Oct-2004	10:58	20.610	16.423	11.423	5.628	14.982	ND	ND	14.982
	11-Nov-2004	14:23	20.610	16.423	11.423	5.990	14.620	ND	ND	14.620
	9-May-2005	14:05	20.610	16.423	11.423	7.410	13.200	ND	ND	13.200
	8-Jun-2005	14:31	20.610	16.423	11.423	6.705	13.905	ND	ND	13.905
	8-Jul-2005	12:34	20.610	16.423	11.423	5.175	15.435	ND	ND	15.435
	19-Aug-2005	13:08	20.610	16.423	11.423	5.360	15.250	ND	ND	15.250
	16-Sep-2005	14:01	20.610	16.423	11.423	5.285	15.325	ND	ND	15.325
	12-May-2008	8:57	20.610	16.423	11.423	7.310	13.300	ND	ND	13.300
	24-Aug-2009	9:47	20.610	16.423	11.423	5.620	14.990	ND	ND	14.990
	17-Jun-2011	12:05	20.610	16.423	11.423	7.170	13.440	ND	ND	13.440
MW4	1-Nov-2001	NR	18.831	16.893	12.893	3.700	15.131	NR	NR	15.131
	15-Oct-2002	NR	18.831	16.893	12.893	3.780	15.051	NR	NR	15.051
Shallow	5-Mar-2003	14:28	18.831	16.893	12.893	4.400	14.431	ND	ND	14.431
	14-Apr-2003	14:48	18.831	16.893	12.893	4.582	14.249	ND	ND	14.249
Former Waste Control Site	9-Dec-2003	14:22	18.831	16.893	12.893	4.000	14.831	ND	ND	14.831
	9-Jan-2004	16:02	18.831	16.893	12.893	4.300	14.531	ND	ND	14.531
	9-Feb-2004	14:52	18.831	16.893	12.893	4.517	14.314	ND	ND	14.314
	8-Mar-2004	13:55	18.831	16.893	12.893	4.990	13.841	NR	0.150	13.963
	8-Apr-2004	12:45	18.831	16.893	12.893	5.275	13.556	NR	0.040	13.588
	10-May-2004	13:25	18.831	16.893	12.893	5.455	13.376	NR	0.075	13.437
	8-Jun-2004	14:55	18.831	16.893	12.893	3.530	15.301	NR	0.020	15.317
	7-Jul-2004	14:05	18.831	16.893	12.893	4.380	14.451	ND	ND	14.451
	9-Aug-2004	12:36	18.831	16.893	12.893	4.160	14.671	ND	ND	14.671
	14-Sep-2004	12:37	18.831	16.893	12.893	3.703	15.128	ND	ND	15.128
	11-Oct-2004	11:12	18.831	16.893	12.893	3.922	14.909	ND	ND	14.909
	11-Nov-2004	14:38	18.831	16.893	12.893	4.093	14.738	ND	ND	14.738
	9-May-2005	12:40	18.831	16.893	12.893	5.870	12.961	5.850	0.020	12.977
	8-Jun-2005	13:40	18.831	16.893	12.893	4.420	14.411	4.415	0.005	14.415
	8-Jul-2005	13:16	18.831	16.893	12.893	3.590	15.241	ND	ND	15.241
	19-Aug-2005	14:05	18.831	16.893	12.893	3.705	15.126	ND	ND	15.126
	16-Sep-2005	14:50	18.831	16.893	12.893	3.540	15.291	ND	ND	15.291
	12-Dec-2006	10:50	18.831	16.893	12.893	4.320	14.511	ND	ND	14.511
	12-Jan-2007	10:00	18.831	16.893	12.893	4.945	13.886	ND	ND	13.886
	12-Feb-2007	12:26	18.831	16.893	12.893	5.707	13.124	5.690	0.020	13.124
	12-May-2008	8:32	18.831	16.893	12.893	5.850	12.981	ND	ND	12.981
	24-Mar-2009	8:23	18.831	16.893	12.893	DRY	NA	ND	ND	NA
	24-Aug-2009	9:11	18.831	16.893	12.893	4.190	14.641	ND	ND	14.641
	17-Jun-2011	12:30	18.831	16.893	12.893	DRY	NA	ND	ND	NA

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW5	1-Nov-2001	NR	19.506	16.670	13.670	4.180	15.326	NR	NR	15.326
	15-Oct-2002	NR	19.506	16.670	13.670	4.250	15.256	NR	NR	15.256
Shallow	5-Mar-2003	14:26	19.506	16.670	13.670	4.694	14.812	ND	ND	14.812
	14-Apr-2003	14:18	19.506	16.670	13.670	4.673	14.833	ND	ND	14.833
Former Waste Control Site	9-Dec-2003	14:13	19.506	16.670	13.670	4.441	15.065	ND	ND	15.065
	9-Jan-2004	14:02	19.506	16.670	13.670	4.630	14.876	ND	ND	14.876
	9-Feb-2004	14:33	19.506	16.670	13.670	4.717	14.789	ND	ND	14.789
	8-Mar-2004	12:45	19.506	16.670	13.670	4.800	14.706	ND	ND	14.706
	8-Apr-2004	12:24	19.506	16.670	13.670	4.890	14.616	ND	ND	14.616
	10-May-2004	13:06	19.506	16.670	13.670	4.982	14.524	ND	ND	14.524
	8-Jun-2004	13:33	19.506	16.670	13.670	4.530	14.976	ND	ND	14.976
	7-Jul-2004	14:05	19.506	16.670	13.670	4.265	15.241	ND	ND	15.241
	9-Aug-2004	11:40	19.506	16.670	13.670	4.323	15.183	ND	ND	15.183
	14-Sep-2004	12:15	19.580	16.670	13.670	4.083	15.497	ND	ND	15.497
	11-Oct-2004	10:54	19.580	16.670	13.670	4.340	15.240	ND	ND	15.240
	11-Nov-2004	14:06	19.580	16.670	13.670	4.460	15.120	ND	ND	15.120
	9-May-2005	13:20	19.580	16.670	13.670	4.370	15.210	ND	ND	15.210
	8-Jun-2005	14:02	19.580	16.670	13.670	3.880	15.700	ND	ND	15.700
	8-Jul-2005	13:07	19.580	16.670	13.670	3.855	15.725	ND	ND	15.725
	19-Aug-2005	13:46	19.580	16.670	13.670	4.100	15.480	ND	ND	15.480
	16-Sep-2005	14:30	19.580	16.670	13.670	3.960	15.620	ND	ND	15.620
	12-May-2008	8:59	19.580	16.670	13.670	4.740	14.840	ND	ND	14.840
	24-Mar-2009	8:45	19.580	16.670	13.670	DRY	DRY	ND	ND	NA
	24-Aug-2009	9:42	19.580	16.670	13.670	4.175	15.405	ND	ND	15.405
	17-Jun-2011	12:36	19.580	16.670	13.670	5.225	14.355	ND	ND	14.355
MW6	1-Nov-2001	NR	18.583	15.592	12.592	3.700	14.883	NR	NR	14.883
	15-Oct-2002	NR	18.583	15.592	12.592	3.730	14.853	NR	NR	14.853
Shallow	5-Mar-2003	15:02	18.583	15.592	12.592	4.230	14.353	ND	ND	14.353
	14-Apr-2003	15:20	18.583	15.592	12.592	3.944	14.639	ND	ND	14.639
Former Waste Control Site	9-Dec-2003	14:41	18.583	15.592	12.592	3.962	14.621	ND	ND	14.621
	9-Jan-2004	15:28	18.583	15.592	12.592	4.310	14.273	ND	ND	14.273
	9-Feb-2004	15:15	18.583	15.592	12.592	4.489	14.094	ND	ND	14.094
	8-Mar-2004	14:00	18.583	15.592	12.592	4.630	13.953	ND	ND	13.953
	8-Apr-2004	12:11	18.583	15.592	12.592	4.870	13.713	ND	ND	13.713
	10-May-2004	13:43	18.583	15.592	12.592	4.567	14.016	ND	ND	14.016
	8-Jun-2004	14:10	18.583	15.592	12.592	4.540	14.043	ND	ND	14.043
	7-Jul-2004	14:29	18.583	15.592	12.592	4.160	14.423	ND	ND	14.423
	9-Aug-2004	11:46	18.583	15.592	12.592	4.010	14.573	ND	ND	14.573
	14-Sep-2004	13:05	18.583	15.592	12.592	3.551	15.032	ND	ND	15.032
	11-Oct-2004	11:24	18.583	15.592	12.592	3.863	14.720	ND	ND	14.720
	11-Nov-2004	14:55	18.583	15.592	12.592	4.046	14.537	ND	ND	14.537
	9-May-2005	12:25	18.583	15.592	12.592	5.375	13.208	ND	ND	13.208
	8-Jun-2005	13:24	18.583	15.592	12.592	4.950	13.633	ND	ND	13.633
	8-Jul-2005	13:37	18.583	15.592	12.592	3.575	15.008	ND	ND	15.008
	19-Aug-2005	14:12	18.583	15.592	12.592	3.565	15.018	ND	ND	15.018
	16-Sep-2005	14:52	18.583	15.592	12.592	3.415	15.168	ND	ND	15.168
	24-Mar-2009		18.583	15.592	12.592	Could not find				
MW7	1-Nov-2001	NR	18.792	15.181	12.181	3.470	15.322	NR	NR	15.322
	15-Oct-2002	NR	18.792	15.181	12.181	3.470	15.322	NR	NR	15.322
Shallow	5-Mar-2003	15:00	18.792	15.181	12.181	4.604	14.188	ND	ND	14.188
	14-Apr-2003	15:33	18.792	15.181	12.181	3.972	14.820	ND	ND	14.820
Former Waste Control Site	9-Dec-2003	13:23	18.792	15.181	12.181	3.860	14.932	ND	ND	14.932
	9-Jan-2004	15:51	18.792	15.181	12.181	4.340	14.452	ND	ND	14.452
	9-Feb-2004	15:11	18.792	15.181	12.181	5.810	12.982	ND	ND	12.982
	8-Mar-2004	13:19	18.792	15.181	12.181	6.510	12.282	ND	ND	12.282
	8-Apr-2004	11:48	18.792	15.181	12.181	DRY	DRY	ND	ND	NA
	10-May-2004	13:47	18.792	15.181	12.181	DRY	DRY	ND	ND	NA
	8-Jun-2004	14:50	18.792	15.181	12.181	4.060	14.732	ND	ND	14.732
	7-Jul-2004	14:23	18.792	15.181	12.181	3.300	15.492	ND	ND	15.492
	9-Aug-2004	12:04	18.792	15.181	12.181	3.345	15.447	ND	ND	15.447
	14-Sep-2004	13:09	18.792	15.181	12.181	3.330	15.462	ND	ND	15.462
	11-Oct-2004	11:28	18.792	15.181	12.181	3.578	15.214	ND	ND	15.214
	11-Nov-2004	14:58	18.792	15.181	12.181	3.694	15.098	ND	ND	15.098
	9-May-2005	14:12	18.792	15.181	12.181	3.945	14.847	ND	ND	14.847
	8-Jun-2005	13:15	18.792	15.181	12.181	3.255	15.537	ND	ND	15.537
	8-Jul-2005	12:29	18.792	15.181	12.181	3.135	15.657	ND	ND	15.657
	19-Aug-2005	13:01	18.792	15.181	12.181	3.125	15.667	ND	ND	15.667
	16-Sep-2005	13:54	18.792	15.181	12.181	3.180	15.612	ND	ND	15.612
	12-May-2008	8:19	18.792	15.181	12.181	4.860	13.932	ND	ND	13.932
	24-Mar-2009	8:13	18.792	15.181	12.181	DRY	DRY	ND	ND	NA
	24-Aug-2009	9:26	18.792	15.181	12.181	3.082	13.932	ND	ND	13.932
MW8	1-Nov-2001	NR	20.056	16.416	13.416	5.830	14.226	NR	NR	14.226
	15-Oct-2002	NR	20.056	16.416	13.416	5.820	14.236	NR	NR	14.236
Shallow	5-Mar-2003	14:23	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	14-Apr-2003	13:47	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
Former Waste Control Site	9-Dec-2003	13:52	20.056	16.416	13.416	6.310	13.746	ND	ND	13.746
	9-Jan-2004	13:28	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	9-Feb-2004	14:08	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	8-Mar-2004	12:10	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	8-Apr-2004	11:04	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	10-May-2004	12:50	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	8-Jun-2004	NR	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	7-Jul-2004	13:43	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	9-Aug-2004	11:06	20.056	16.416	13.416	6.585	13.471	ND	ND	13.471
	14-Sep-2004	11:56	20.056	16.416	13.416	6.062	13.994	ND	ND	13.994
	11-Oct-2004	10:29	20.056	16.416	13.416	6.284	13.772	ND	ND	13.772
	11-Nov-2004	14:13	20.056	16.416	13.416	6.580	13.476	ND	ND	13.476
	9-May-2005	13:48	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	8-Jun-2005	14:17	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	8-Jul-2005	12:43	20.056	16.416	13.416	5.910	14.146	ND	ND	14.146
	19-Aug-2005	13:25	20.056	16.416	13.416	6.010	14.046	ND	ND	14.046
	16-Sep-2005	14:12	20.056	16.416	13.416	5.980	14.076	ND	ND	14.076
	12-May-2008	9:23	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	24-Mar-2009	9:01	20.056	16.416	13.416	DRY	DRY	ND	ND	NA
	24-Aug-2009	9:58	20.056	16.416	13.416	6.240	13.816	ND	ND	13.816
	17-Jun-2011	12:02	20.056	16.416	13.416	DRY	DRY	ND	ND	NA

Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW21i	1-Nov-2001	NR	18.941	10.671	6.671	9.420	9.521	NR	NR	9.521
	15-Oct-2002	NR	18.941	10.671	6.671	9.880	9.061	NR	NR	9.061
Regional	5-Mar-2003	14:35	18.941	10.671	6.671	9.874	9.067	ND	ND	9.067
	14-Apr-2003	14:34	18.941	10.671	6.671	12.124	8.817	ND	ND	8.817
Former Waste Control Site	9-Dec-2003	14:49	18.941	10.671	6.671	8.910	10.031	ND	ND	10.031
	9-Jan-2004	14:40	18.941	10.671	6.671	9.450	9.491	ND	ND	9.491
	9-Feb-2004	14:39	18.941	10.671	6.671	9.714	9.227	ND	ND	9.227
	8-Mar-2004	13:03	18.941	10.671	6.671	10.030	8.911	ND	ND	8.911
	8-Apr-2004	12:36	18.941	10.671	6.671	10.240	8.701	ND	ND	8.701
	10-May-2004	13:12	18.941	10.671	6.671	10.378	8.563	ND	ND	8.563
	8-Jun-2004	13:46	18.941	10.671	6.671	10.400	8.541	ND	ND	8.541
	7-Jul-2004	14:11	18.941	10.671	6.671	10.155	8.786	ND	ND	8.786
	9-Aug-2004	14:05	18.941	10.671	6.671	10.920	8.021	ND	ND	8.021
	14-Sep-2004	12:23	20.050	10.671	6.671	10.498	9.552	ND	ND	9.552
	11-Oct-2004	11:04	20.050	10.671	6.671	10.382	9.668	ND	ND	9.668
	11-Nov-2004	14:31	20.050	10.671	6.671	10.372	9.678	ND	ND	9.678
	9-May-2005	13:01	20.050	10.671	6.671	11.380	8.670	ND	ND	8.670
	8-Jun-2005	13:53	20.050	10.671	6.671	11.230	8.820	ND	ND	8.820
	8-Jul-2005	13:03	20.050	10.671	6.671	10.665	9.385	ND	ND	9.385
	19-Aug-2005	13:40	20.050	10.671	6.671	10.330	9.720	ND	ND	9.720
	16-Sep-2005	14:24	20.050	10.671	6.671	9.860	10.190	ND	ND	10.190
	12-Dec-2006	11:07	20.050	10.671	6.671	10.625	9.425	ND	ND	9.425
	12-Jan-2007	10:20	20.050	10.671	6.671	10.830	9.220	ND	ND	9.220
	12-Feb-2007	12:10	20.050	10.671	6.671	11.020	9.030	ND	ND	9.030
	31-Mar-2008	11:00	20.050	10.671	6.671	10.750	9.300	ND	ND	9.300
	12-May-2008	8:39	20.050	10.671	6.671	11.130	8.920	ND	ND	8.920
	24-Mar-2009	9:18	20.050	10.671	6.671	10.890	9.160	ND	ND	9.160
	24-Aug-2009	9:35	20.050	10.671	6.671	10.605	9.445	ND	ND	9.445
	31-May-2010	15:05	20.050	10.671	6.671	10.735	9.315	ND	ND	9.315
	17-Jun-2011	12:16	20.050	10.671	6.671	11.650	8.400	ND	ND	8.400
MW22i	1-Nov-2001	NR	19.575	10.522	6.522	10.050	9.525	NR	NR	9.525
	15-Oct-2002	NR	19.575	10.522	6.522	9.990	9.585	NR	NR	9.585
Regional	5-Mar-2003	14:46	19.575	10.522	6.522	7.772	11.803	ND	ND	11.803
	14-Apr-2003	15:10	19.575	10.522	6.522	11.111	8.464	ND	ND	8.464
Former Waste Control Site	9-Dec-2003	14:34	19.575	10.522	6.522	9.885	9.690	ND	ND	9.690
	9-Jan-2004	15:20	19.575	10.522	6.522	10.130	9.445	ND	ND	9.445
	9-Feb-2004	15:05	19.575	10.522	6.522	10.428	9.147	ND	ND	9.147
	8-Mar-2004	13:44	19.575	10.522	6.522	10.740	8.835	ND	ND	8.835
	8-Apr-2004	12:06	19.575	10.522	6.522	11.250	8.325	ND	ND	8.325
	10-May-2004	13:34	19.575	10.522	6.522	11.280	8.295	ND	ND	8.295
	8-Jun-2004	14:26	19.575	10.522	6.522	11.320	8.255	ND	ND	8.255
	7-Jul-2004	14:37	19.575	10.522	6.522	11.250	8.325	ND	ND	8.325
	9-Aug-2004	12:18	19.575	10.522	6.522	10.870	8.705	ND	ND	8.705
	14-Sep-2004	13:03	19.575	10.522	6.522	10.383	9.192	ND	ND	9.192
	11-Oct-2004	11:20	19.575	10.522	6.522	10.189	9.386	ND	ND	9.386
	11-Nov-2004	14:52	19.575	10.522	6.522	10.174	9.401	ND	ND	9.401
	9-May-2005	12:35	19.575	10.522	6.522	11.395	8.180	ND	ND	8.180
	8-Jun-2005	13:32	19.575	10.522	6.522	11.240	8.335	ND	ND	8.335
	8-Jul-2005	13:28	19.575	10.522	6.522	10.630	8.945	ND	ND	8.945
	19-Aug-2005	13:54	19.575	10.522	6.522	10.140	9.435	ND	ND	9.435
	16-Sep-2005	14:46	19.575	10.522	6.522	9.700	9.875	ND	ND	9.875
	12-Dec-2006	10:56	19.575	10.522	6.522	10.695	8.880	ND	ND	8.880
	12-Jan-2007	10:35	19.575	10.522	6.522	10.900	8.675	ND	ND	8.675
	12-Feb-2007	12:20	19.575	10.522	6.522	11.160	8.415	ND	ND	8.415
	1-Apr-2008	11:00	19.575	10.522	6.522	11.280	8.295	ND	ND	8.295
	12-May-2008	8:25	19.575	10.522	6.522	11.320	8.255	ND	ND	8.255
	24-Mar-2009	8:36	19.575	10.522	6.522	10.968	8.607	ND	ND	8.607
	24-Aug-2009	9:04	19.575	10.522	6.522	10.865	8.710	ND	ND	8.710
	1-Jun-2010	10:00	19.575	10.522	6.522	11.485	8.090	ND	ND	8.090
	17-Jun-2011	12:26	19.575	10.522	6.522	11.920	7.655	ND	ND	7.655
MW23i	1-Nov-2001	NR	20.155	11.130	7.130	10.840	9.315	NR	NR	9.315
	15-Oct-2002	NR	20.155	11.130	7.130	10.840	9.315	NR	NR	9.315
Regional	5-Mar-2003	14:20	20.155	11.130	7.130	11.540	8.615	ND	ND	8.615
	14-Apr-2003	13:42	20.155	11.130	7.130	11.873	8.282	ND	ND	8.282
Former Waste Control Site	9-Dec-2003	14:06	20.155	11.130	7.130	10.700	9.455	ND	ND	9.455
	9-Jan-2004	13:40	20.155	11.130	7.130	10.930	9.225	ND	ND	9.225
	9-Feb-2004	14:12	20.155	11.130	7.130	11.218	8.937	ND	ND	8.937
	8-Mar-2004	12:18	20.155	11.130	7.130	11.510	8.645	ND	ND	8.645
	8-Apr-2004	11:09	20.155	11.130	7.130	11.790	8.365	ND	ND	8.365
	10-May-2004	13:38	20.155	11.130	7.130	12.024	8.131	ND	ND	8.131
	8-Jun-2004	13:07	20.155	11.130	7.130	12.060	8.095	ND	ND	8.095
	7-Jul-2004	13:46	20.155	11.130	7.130	11.860	8.295	ND	ND	8.295
	9-Aug-2004	11:10	20.155	11.130	7.130	11.635	8.520	ND	ND	8.520
	14-Sep-2004	11:51	20.155	11.130	7.130	11.202	8.953	ND	ND	8.953
	11-Oct-2004	10:48	20.155	11.130	7.130	11.007	9.148	ND	ND	9.148
	11-Nov-2004	14:03	20.155	11.130	7.130	10.974	9.181	ND	ND	9.181
	9-May-2005	13:37	20.155	11.130	7.130	12.150	8.005	ND	ND	8.005
	8-Jun-2005	14:08	20.155	11.130	7.130	12.005	8.150	ND	ND	8.150
	8-Jul-2005	12:53	20.155	11.130	7.130	11.450	8.705	ND	ND	8.705
	19-Aug-2005	13:31	20.155	11.130	7.130	10.935	9.220	ND	ND	9.220
	16-Sep-2005	14:17	20.155	11.130	7.130	10.570	9.585	ND	ND	9.585
	12-Dec-2006	11:15	20.155	11.130	7.130	11.485	8.670	ND	ND	8.670
	12-Jan-2007	10:15	20.155	11.130	7.130	11.675	8.480	ND	ND	8.480
	12-Feb-2007	12:02	20.155	11.130	7.130	11.920	8.235	ND	ND	8.235
	30-Mar-2008	11:00	20.155	11.130	7.130	12.020	8.135	ND	ND	8.135
	12-May-2008	8:03	20.155	11.130	7.130	12.080	8.075	ND	ND	8.075
	24-Mar-2009	8:51	20.155	11.130	7.130	11.760	8.395	ND	ND	8.395
	24-Aug-2009	10:14	20.155	11.130	7.130	11.655	8.500	ND	ND	8.500
	23-Sep-2009	08:40	20.155	11.130	7.130	11.235	8.920	ND	ND	8.920
	31-May-2010	12:30	20.155	11.130	7.130	12.170	7.985	ND	ND	7.985
	22-Dec-2010	14:05	20.155	11.130	7.130	11.824	8.331	ND	ND	8.331
	17-Jun-2011	12:39	20.155	11.130	7.130	12.655	7.500	ND	ND	7.500

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW24	5-Mar-2003	15:05	18.649	4.481	1.481	9.744	8.905	ND	ND	8.905
	14-Apr-2003	15:26	18.649	4.481	1.481	10.089	8.560	ND	ND	8.560
Base of Guildford	9-Dec-2003	13:15	18.649	4.481	1.481	8.855	9.794	ND	ND	9.794
	9-Jan-2004	15:36	18.649	4.481	1.481	9.100	9.549	ND	ND	9.549
	9-Feb-2004	15:21	18.649	4.481	1.481	9.397	9.252	ND	ND	9.252
Former Waste Control Site	8-Mar-2004	13:15	18.649	4.481	1.481	9.720	8.929	ND	ND	8.929
	8-Apr-2004	11:39	18.649	4.481	1.481	10.000	8.649	ND	ND	8.649
	10-May-2004	13:52	18.649	4.481	1.481	10.242	8.407	ND	ND	8.407
	8-Jun-2004	13:55	18.649	4.481	1.481	10.300	8.349	ND	ND	8.349
	7-Jul-2004	14:16	18.649	4.481	1.481	10.225	8.424	ND	ND	8.424
	9-Aug-2004	11:52	18.649	4.481	1.481	9.835	8.814	ND	ND	8.814
	14-Sep-2004	13:20	18.649	4.481	1.481	9.333	9.316	ND	ND	9.316
	11-Oct-2004	11:31	18.649	4.481	1.481	9.144	9.505	ND	ND	9.505
	11-Nov-2004	15:00	18.649	4.481	1.481	9.138	9.511	ND	ND	9.511
	9-May-2005	11:52	18.649	4.481	1.481	10.370	8.279	ND	ND	8.279
	8-Jun-2005	13:08	18.649	4.481	1.481	10.200	8.449	ND	ND	8.449
	8-Jul-2005	12:22	18.649	4.481	1.481	9.585	9.064	ND	ND	9.064
	19-Aug-2005	12:55	18.649	4.481	1.481	9.110	9.539	ND	ND	9.539
	16-Sep-2005	13:50	18.649	4.481	1.481	8.650	9.999	ND	ND	9.999
	13-Dec-2006	10:50	18.649	4.481	1.481	9.630	9.019	ND	ND	9.019
	12-Jan-2007	10:10	18.649	4.481	1.481	9.895	8.754	ND	ND	8.754
	12-Feb-2007	12:15	18.649	4.481	1.481	10.140	8.509	ND	ND	8.509
	12-May-2008	8:15	18.649	4.481	1.481	10.295	8.354	ND	ND	8.354
	24-Mar-2009	8:00	18.649	4.481	1.481	9.980	8.669	ND	ND	8.669
	24-Aug-2009	9:30	18.649	4.481	1.481	9.815	8.834	ND	ND	8.834
MW25	5-Mar-2003	14:49	18.843	2.875	-0.125	10.054	8.789	ND	ND	8.789
	14-Apr-2003	15:10	18.843	2.875	-0.125	10.405	8.438	ND	ND	8.438
Base of Guildford	9-Dec-2003	14:30	18.843	2.875	-0.125	9.821	9.022	ND	ND	9.022
	9-Jan-2004	15:09	18.843	2.875	-0.125	9.410	9.433	ND	ND	9.433
	9-Feb-2004	14:59	18.843	2.875	-0.125	9.710	9.133	ND	ND	9.133
Former Waste Control Site	8-Mar-2004	13:40	18.843	2.875	-0.125	10.020	8.823	ND	ND	8.823
	8-Apr-2004	12:00	18.843	2.875	-0.125	10.300	8.543	ND	ND	8.543
	10-May-2004	13:30	18.843	2.875	-0.125	10.540	8.303	ND	ND	8.303
	8-Jun-2004	14:15	18.843	2.875	-0.125	10.600	8.243	ND	ND	8.243
	7-Jul-2004	14:33	18.843	2.875	-0.125	10.548	8.295	ND	ND	8.295
	9-Aug-2004	12:10	18.843	2.875	-0.125	10.140	8.703	ND	ND	8.703
	14-Sep-2004	13:00	18.843	2.875	-0.125	9.673	9.170	ND	ND	9.170
	11-Oct-2004	11:17	18.843	2.875	-0.125	9.482	9.361	ND	ND	9.361
	11-Nov-2004	14:50	18.843	2.875	-0.125	9.460	9.383	ND	ND	9.383
	9-May-2005	12:37	18.843	2.875	-0.125	10.665	8.178	ND	ND	8.178
	8-Jun-2005	13:36	18.843	2.875	-0.125	10.515	8.328	ND	ND	8.328
	8-Jul-2005	13:25	18.843	2.875	-0.125	9.920	8.923	ND	ND	8.923
	19-Aug-2005	13:58	18.843	2.875	-0.125	9.425	9.418	ND	ND	9.418
	16-Sep-2005	14:48	18.843	2.875	-0.125	9.005	9.838	ND	ND	9.838
	12-Dec-2006	10:53	18.843	2.875	-0.125	9.985	8.858	ND	ND	8.858
	12-Jan-2007	10:40	18.843	2.875	-0.125	10.190	8.653	ND	ND	8.653
	12-Feb-2007	12:23	18.843	2.875	-0.125	10.430	8.413	ND	ND	8.413
	30-Mar-2008	11:00	18.843	2.875	-0.125	10.510	8.333	ND	ND	8.333
	12-May-2008	8:28	18.843	2.875	-0.125	10.600	8.243	ND	ND	8.243
	13-Oct-2008	12:25	18.843	2.875	-0.125	9.400	9.443	ND	ND	9.443
	24-Mar-2009	8:30	18.843	2.875	-0.125	10.278	8.565	ND	ND	8.565
	24-Aug-2009	9:07	18.843	2.875	-0.125	10.160	8.683	ND	ND	8.683
	1-Jun-2010	8:20	18.843	2.875	-0.125	10.760	8.083	ND	ND	8.083
	17-Jun-2011	12:28	18.843	2.875	-0.125	11.190	7.653	ND	ND	7.653
MW26	5-Mar-2003	14:54	18.660	16.223	13.223	4.124	14.536	ND	ND	14.536
	14-Apr-2003	14:49	18.660	16.223	13.223	4.258	14.402	ND	ND	14.402
Shallow	9-Dec-2003	14:35	18.660	16.223	13.223	3.700	14.960	ND	ND	14.960
	9-Jan-2004	14:49	18.660	16.223	13.223	3.920	14.740	ND	ND	14.740
Former Waste Control Site	9-Feb-2004	14:48	18.660	16.223	13.223	4.087	14.573	ND	ND	14.573
	8-Mar-2004	13:33	18.660	16.223	13.223	4.230	14.430	ND	ND	14.430
	8-Apr-2004	11:34	18.660	16.223	13.223	4.335	14.325	ND	ND	14.325
	10-May-2004	13:16	18.660	16.223	13.223	4.493	14.167	ND	ND	14.167
	8-Jun-2004	14:20	18.660	16.223	13.223	4.580	14.080	ND	ND	14.080
	7-Jul-2004	14:39	18.660	16.223	13.223	4.120	14.540	ND	ND	14.540
	9-Aug-2004	12:14	18.660	16.223	13.223	3.763	14.897	ND	ND	14.897
	14-Sep-2004	12:30	18.660	16.223	13.223	3.387	15.273	ND	ND	15.273
	11-Oct-2004	11:08	18.660	16.223	13.223	3.557	15.103	ND	ND	15.103
	11-Nov-2004	14:35	18.660	16.223	13.223	3.779	14.881	ND	ND	14.881
	9-May-2005	12:56	18.660	16.223	13.223	4.440	14.220	ND	ND	14.220
	8-Jun-2005	13:45	18.660	16.223	13.223	4.030	14.630	ND	ND	14.630
	8-Jul-2005	13:33	18.660	16.223	13.223	3.100	15.560	ND	ND	15.560
	19-Aug-2005	13:38	18.660	16.223	13.223	3.460	15.200	ND	ND	15.200
	16-Sep-2005	14:27	18.660	16.223	13.223	3.215	15.445	ND	ND	15.445
	12-May-2008	8:30	18.66	16.223	13.223	4.860	13.800	ND	ND	13.800
	24-Mar-2009	8:26	18.660	16.223	13.223	DRY	DRY	ND	ND	NA
	24-Aug-2009	9:20	18.66	16.223	13.223	3.160	13.800	ND	ND	13.800
	17-Jun-2011	12:22	18.66	16.223	13.223	DRY	DRY	ND	ND	NA
MW27	5-Mar-2003	14:30	19.237	3.834	0.834	10.566	8.671	ND	ND	8.671
	14-Apr-2003	13:57	19.237	3.834	0.834	10.905	8.332	ND	ND	8.332
Base of Guildford	9-Dec-2003	13:46	19.237	3.834	0.834	9.720	9.517	ND	ND	9.517
	9-Jan-2004	14:02	19.237	3.834	0.834	9.945	9.292	ND	ND	9.292
	9-Feb-2004	14:22	19.237	3.834	0.834	10.243	8.994	ND	ND	8.994
Former Waste Control Site	8-Mar-2004	12:30	19.237	3.834	0.834	10.550	8.687	ND	ND	8.687
	8-Apr-2004	11:22	19.237	3.834	0.834	10.825	8.412	ND	ND	8.412
	10-May-2004	12:58	19.237	3.834	0.834	11.053	8.184	ND	ND	8.184
	8-Jun-2004	13:18	19.237	3.834	0.834	11.073	8.164	ND	ND	8.164
	7-Jul-2004	13:53	19.237	3.834	0.834	11.049	8.188	ND	ND	8.188
	9-Aug-2004	11:17	19.237	3.834	0.834	10.652	8.585	ND	ND	8.585
	14-Sep-2004	12:00	19.237	3.834	0.834	10.192	9.045	ND	ND	9.045
	11-Oct-2004	10:53	19.237	3.834	0.834	10.003	9.234	ND	ND	9.234
	11-Nov-2004	14:17	19.237	3.834	0.834	9.990	9.247	ND	ND	9.247
	9-May-2005	13:55	19.237	3.834	0.834	11.180	8.057	ND	ND	8.057
	8-Jun-2005	14:24	19.237	3.834	0.834	11.025	8.212	ND	ND	8.212
	8-Jul-2005	12:40	19.237	3.834	0.834	10.440	8.797	ND	ND	8.797
	19-Aug-2005	13:14	19.237	3.834	0.834	9.960	9.277	ND	ND	9.277
	16-Sep-2005	14:05	19.237	3.834	0.834	9.560	9.677	ND	ND	9.677
	13-Dec-2006	11:00	19.237	3.834	0.834	10.450	8.787	ND	ND	8.787
	12-Jan-2007	10:30	19.237	3.834	0.834	10.715	8.522	ND	ND	8.522
	12-Feb-2007	12:06	19.237	3.834	0.834	10.960	8.277	ND	ND	8.277
	12-May-2008	9:11	19.237	3.834	0.834	11.120	8.117	ND	ND	8.117
	24-Mar-2009	9:13	19.237	3.834	0.834	10.810	8.427	ND	ND	8.427
	24-Aug-2009	10:10	19.237	3.834	0.834	10.670	8.567	ND	ND	8.567
	17-Jun-2011	12:52	19.237	3.834	0.834	11.700	7.537	ND	ND	7.537

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW28	5-Mar-2003	14:25	19.248	9.411	8.411	6.664	12.584	ND	ND	12.584
	14-Apr-2003	13:53	19.248	9.411	8.411	6.848	12.400	ND	ND	12.400
<i>Shallow</i>	9-Dec-2003	15	19.248	9.411	8.411	6.162	13.086	ND	ND	13.086
	9-Jan-2004	13:51	19.248	9.411	8.411	6.360	12.888	ND	ND	12.888
Former Waste Control Site	9-Feb-2004	14:17	19.248	9.411	8.411	6.502	12.746	ND	ND	12.746
	8-Mar-2004	12:23	19.248	9.411	8.411	6.760	12.488	ND	ND	12.488
	8-Apr-2004	11:18	19.248	9.411	8.411	6.820	12.428	ND	ND	12.428
	10-May-2004	12:52	19.248	9.411	8.411	6.882	12.366	ND	ND	12.366
	8-Jun-2004	13:13	19.248	9.411	8.411	6.770	12.478	ND	ND	12.478
	7-Jul-2004	13:50	19.248	9.411	8.411	6.520	12.728	ND	ND	12.728
	9-Aug-2004	14:14	19.248	9.411	8.411	6.315	12.933	ND	ND	12.933
	14-Sep-2004	12:11	19.248	9.411	8.411	5.596	13.652	ND	ND	13.652
	11-Oct-2004	10:42	19.248	9.411	8.411	6.008	13.240	ND	ND	13.240
	11-Nov-2004	14:10	19.248	9.411	8.411	6.225	13.023	ND	ND	13.023
	9-May-2005	13:27	19.248	9.411	8.411	6.900	12.348	ND	ND	12.348
	8-Jun-2005	14:20	19.248	9.411	8.411	6.560	12.688	ND	ND	12.688
	8-Jul-2005	12:56	19.248	9.411	8.411	5.860	13.388	ND	ND	13.388
	19-Aug-2005	13:22	19.248	9.411	8.411	5.945	13.303	ND	ND	13.303
	16-Sep-2005	14:10	19.248	9.411	8.411	5.710	13.538	ND	ND	13.538
	12-May-2008	9:06	19.248	9.411	8.411	7.510	11.738	ND	ND	11.738
	24-Aug-2009	9:52	19.248	9.411	8.411	6.950	12.298	ND	ND	12.298
	17-Jun-2011	12:48	20.248	9.411	8.411	7.750	12.498	ND	ND	12.498
MW29	5-Mar-2003	15:35	19.884	18.289	15.289	3.168	16.716	ND	ND	16.716
	14-Apr-2003	13:10	19.884	18.289	15.289	3.179	16.705	ND	ND	16.705
<i>Shallow</i>	9-Dec-2003	10:28	19.884	18.289	15.289	3.231	16.653	ND	ND	16.653
	9-Jan-2004	10:29	19.884	18.289	15.289	3.375	16.509	ND	ND	16.509
Hanson	9-Feb-2004	11:43	19.884	18.289	15.289	3.422	16.462	ND	ND	16.462
	8-Mar-2004	9:41	19.884	18.289	15.289	3.400	16.484	ND	ND	16.484
	8-Apr-2004	9:09	19.884	18.289	15.289	3.425	16.459	ND	ND	16.459
	10-May-2004	11:37	19.884	18.289	15.289	3.397	16.487	ND	ND	16.487
	8-Jun-2004	12:33	19.884	18.289	15.289	2.940	16.944	ND	ND	16.944
	7-Jul-2004	3:20	19.884	18.289	15.289	2.900	16.984	ND	ND	16.984
	9-Aug-2004	10:13	19.884	18.289	15.289	2.940	16.944	ND	ND	16.944
	14-Sep-2004	10:16	19.884	18.289	15.289	2.944	16.940	ND	ND	16.940
	11-Oct-2004	9:38	19.884	18.289	15.289	3.060	16.824	ND	ND	16.824
	11-Nov-2004	12:50	19.884	18.289	15.289	3.150	16.734	ND	ND	16.734
	9-May-2005	15:34	19.884	18.289	15.289	3.525	16.359	ND	ND	16.359
	8-Jun-2005	11:45	19.884	18.289	15.289	3.350	16.534	ND	ND	16.534
	8-Jul-2005	12:06	19.884	18.289	15.289	3.045	16.839	ND	ND	16.839
	19-Aug-2005	12:31	19.884	18.289	15.289	3.185	16.699	ND	ND	16.699
	16-Sep-2005	10:30	19.884	18.289	15.289	3.118	16.766	ND	ND	16.766
	12-May-2008	10:13	19.884	18.289	15.289	3.480	16.404	ND	ND	16.404
	24-Aug-2009	13:36	19.884	18.289	15.289	3.075	16.809	ND	ND	16.809
MW30	5-Mar-2003	15:34	19.852	1.305	-1.695	11.304	8.548	ND	ND	8.548
	14-Apr-2003	13:13	19.852	1.305	-1.695	11.550	8.302	ND	ND	8.302
<i>Base of Guildford</i>	9-Dec-2003	11:12	19.852	1.305	-1.695	10.491	9.361	ND	ND	9.361
	9-Jan-2004	10:22	19.852	1.305	-1.695	10.712	9.140	ND	ND	9.140
	9-Feb-2004	11:41	19.852	1.305	-1.695	11.004	8.848	ND	ND	8.848
Hanson	8-Mar-2004	9:33	19.852	1.305	-1.695	11.300	8.552	ND	ND	8.552
	8-Apr-2004	8:58	19.852	1.305	-1.695	11.580	8.272	ND	ND	8.272
	10-May-2004	11:34	19.852	1.305	-1.695	11.795	8.057	ND	ND	8.057
	8-Jun-2004	12:27	19.852	1.305	-1.695	11.840	8.012	ND	ND	8.012
	7-Jul-2004	13:13	19.852	1.305	-1.695	11.851	8.001	ND	ND	8.001
	9-Aug-2004	10:10	19.852	1.305	-1.695	11.400	8.452	ND	ND	8.452
	14-Sep-2004	10:15	19.852	1.305	-1.695	10.980	8.872	ND	ND	8.872
	11-Oct-2004	9:35	19.852	1.305	-1.695	10.783	9.069	ND	ND	9.069
	11-Nov-2004	12:47	19.852	1.305	-1.695	10.752	9.100	ND	ND	9.100
	9-May-2005	15:36	19.852	1.305	-1.695	11.920	7.932	ND	ND	7.932
	8-Jun-2005	11:48	19.852	1.305	-1.695	11.770	8.082	ND	ND	8.082
	8-Jul-2005	12:08	19.852	1.305	-1.695	11.215	8.637	ND	ND	8.637
	19-Aug-2005	12:33	19.852	1.305	-1.695	10.715	9.137	ND	ND	9.137
	16-Sep-2005	10:28	19.852	1.305	-1.695	10.378	9.474	ND	ND	9.474
	12-Dec-2006	16:15	19.852	1.305	-1.695	11.300	8.552	ND	ND	8.552
	12-Jan-2007	11:45	19.852	1.305	-1.695	11.460	8.392	ND	ND	8.392
	12-Feb-2007	10:40	19.852	1.305	-1.695	11.715	8.137	ND	ND	8.137
	12-May-2008	10:09	19.852	1.305	-1.695	11.870	7.982	ND	ND	7.982
	24-Mar-2009	13:07	19.852	1.305	-1.695	11.540	8.312	ND	ND	8.312
	24-Aug-2009	13:39	19.852	1.305	-1.695	11.425	8.427	ND	ND	8.427
MW31	5-Mar-2003	15:23	19.433	16.211	13.211	4.546	14.887	ND	ND	14.887
	14-Apr-2003	13:23	19.433	16.211	13.211	4.310	15.123	ND	ND	15.123
<i>Shallow</i>	9-Dec-2003	10:36	19.433	16.211	13.211	4.291	15.142	ND	ND	15.142
	9-Jan-2004	10:37	19.433	16.211	13.211	4.480	14.953	ND	ND	14.953
Hanson	9-Feb-2004	11:33	19.433	16.211	13.211	4.542	14.891	ND	ND	14.891
	8-Mar-2004	10:10	19.433	16.211	13.211	4.630	14.803	ND	ND	14.803
	8-Apr-2004	9:21	19.433	16.211	13.211	4.698	14.735	ND	ND	14.735
	10-May-2004	11:29	19.433	16.211	13.211	4.775	14.658	ND	ND	14.658
	8-Jun-2004	12:16	19.433	16.211	13.211	4.130	15.303	ND	ND	15.303
	7-Jul-2004	13:00	19.433	16.211	13.211	4.050	15.383	ND	ND	15.383
	9-Aug-2004	10:22	19.433	16.211	13.211	4.085	15.348	ND	ND	15.348
	14-Sep-2004	10:06	19.433	16.211	13.211	3.942	15.491	ND	ND	15.491
	11-Oct-2004	9:28	19.433	16.211	13.211	4.198	15.235	ND	ND	15.235
	11-Nov-2004	12:41	19.433	16.211	13.211	4.290	15.143	ND	ND	15.143
	9-May-2005	15:25	19.433	16.211	13.211	4.080	15.353	ND	ND	15.353
	8-Jun-2005	11:37	19.433	16.211	13.211	3.435	15.998	ND	ND	15.998
	8-Jul-2005	11:59	19.433	16.211	13.211	3.725	15.708	ND	ND	15.708
	19-Aug-2005	12:20	19.433	16.211	13.211	3.960	15.473	ND	ND	15.473
	16-Sep-2005	10:22	19.433	16.211	13.211	3.835	15.598	ND	ND	15.598

Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
Destroyed										
MW32	5-Mar-2003	15:25	19.444	10.459	7.459	6.864	12.580	ND	ND	12.580
	14-Apr-2003	13:19	19.444	10.459	7.459	7.062	12.382	ND	ND	12.382
Shallow	9-Dec-2003	10:41	19.444	10.459	7.459	6.490	12.954	ND	ND	12.954
	9-Jan-2004	10:42	19.444	10.459	7.459	6.635	12.809	ND	ND	12.809
Hanson	9-Feb-2004	11:36	19.444	10.459	7.459	6.742	12.702	ND	ND	12.702
	8-Mar-2004	10:16	19.444	10.459	7.459	6.961	12.483	ND	ND	12.483
	8-Apr-2004	9:16	19.444	10.459	7.459	7.020	12.424	ND	ND	12.424
	10-May-2004	11:31	19.444	10.459	7.459	7.073	12.371	ND	ND	12.371
	8-Jun-2004	12:21	19.444	10.459	7.459	7.010	12.434	ND	ND	12.434
	7-Jul-2004	13:06	19.444	10.459	7.459	6.680	12.764	ND	ND	12.764
	9-Aug-2004	10:18	19.444	10.459	7.459	6.638	12.806	ND	ND	12.806
	14-Sep-2004	10:09	19.444	10.459	7.459	6.332	13.112	ND	ND	13.112
	11-Oct-2004	9:31	19.444	10.459	7.459	6.328	13.116	ND	ND	13.116
	11-Nov-2004	12:43	19.444	10.459	7.459	6.508	12.936	ND	ND	12.936
	9-May-2005	15:28	19.444	10.459	7.459	7.140	12.304	ND	ND	12.304
	8-Jun-2005	11:40	19.444	10.459	7.459	6.905	12.539	ND	ND	12.539
	8-Jul-2005	12:02	19.444	10.459	7.459	6.280	13.164	ND	ND	13.164
	19-Aug-2005	12:23	19.444	10.459	7.459	6.335	13.109	ND	ND	13.109
	16-Sep-2005	10:23	19.444	10.459	7.459	NM	NM	NM	NM	NA
	12-May-2008	9:54	19.444	10.459	7.459	7.140	12.304	ND	ND	12.304
	24-Mar-2009	13:03	19.444	10.459	7.459	7.340	12.104	ND	ND	12.104
	24-Aug-2009	13:49	19.444	10.459	7.459	6.820	12.624	ND	ND	12.624
	29-Jun-2011	14:42	19.444	10.459	7.459	7.750	11.694	ND	ND	11.694
MW33	5-Mar-2003	15:15	18.589	-6.340	-9.340	9.737	8.852	ND	ND	8.852
	14-Apr-2003	13:27	18.589	-6.340	-9.340	10.051	8.538	ND	ND	8.538
Leederville	9-Dec-2003	10:49	18.589	-6.340	-9.340	8.810	9.779	ND	ND	9.779
	9-Jan-2004	10:51	18.589	-6.340	-9.340	9.070	9.519	ND	ND	9.519
Hanson	9-Feb-2004	11:27	18.589	-6.340	-9.340	9.373	9.216	ND	ND	9.216
	8-Mar-2004	10:01	18.589	-6.340	-9.340	9.695	8.894	ND	ND	8.894
	8-Apr-2004	9:22	18.589	-6.340	-9.340	9.965	8.624	ND	ND	8.624
	10-May-2004	11:24	18.589	-6.340	-9.340	10.192	8.397	ND	ND	8.397
	8-Jun-2004	12:10	18.589	-6.340	-9.340	10.195	8.394	ND	ND	8.394
	7-Jul-2004	NM	18.589	-6.340	-9.340	Under water	Under water	NM	NM	NA
	9-Aug-2004	10:30	18.589	-6.340	-9.340	9.700	8.889	ND	ND	8.889
	14-Sep-2004	10:01	18.589	-6.340	-9.340	9.227	9.362	ND	ND	9.362
	11-Oct-2004	9:25	18.589	-6.340	-9.340	9.035	9.554	ND	ND	9.554
	11-Nov-2004	12:36	18.589	-6.340	-9.340	9.037	9.552	ND	ND	9.552
	9-May-2005	15:20	18.589	-6.340	-9.340	10.260	8.329	ND	ND	8.329
	8-Jun-2005	11:28	18.589	-6.340	-9.340	10.070	8.519	ND	ND	8.519
	8-Jul-2005	11:55	18.589	-6.340	-9.340	9.445	9.144	ND	ND	9.144
	19-Aug-2005	12:15	18.599	-6.340	-9.340	9.050	9.549	ND	ND	9.549
	16-Sep-2005	10:18	18.599	-6.340	-9.340	8.635	9.964	ND	ND	9.964
	12-Dec-2006	15:40	18.599	-6.340	-9.340	9.605	8.994	ND	ND	8.994
	12-Jan-2007	11:30	18.599	-6.340	-9.340	9.730	8.869	ND	ND	8.869
	12-Feb-2007	10:10	18.599	-6.340	-9.340	9.940	8.659	ND	ND	8.659
	12-May-2008		18.599	-6.340	-9.340	Unable to open	NM			
	24-Mar-2009	12:52	18.599	-6.340	-9.340	9.950	8.649	ND	ND	8.649
	24-Aug-2009	14:18	18.599	-6.340	-9.340	9.645	8.954	ND	ND	8.954
	17-Jun-2011	11:45	18.599	-6.340	-9.340	10.830	7.769	ND	ND	7.769
MW34	5-Mar-2003	15:38	20.197	-0.813	-2.813	11.645	8.552	ND	ND	8.552
	14-Apr-2003	11:48	20.197	-0.813	-2.813	12.052	8.145	ND	ND	8.145
Base of Guildford	9-Dec-2003	11:00	20.197	-0.813	-2.813	10.890	9.307	ND	ND	9.307
	9-Jan-2004	9:27	20.197	-0.813	-2.813	11.110	9.087	ND	ND	9.087
Oliver St	9-Feb-2004	11:17	20.197	-0.813	-2.813	11.421	8.776	ND	ND	8.776
	8-Mar-2004	9:24	20.197	-0.813	-2.813	11.692	8.505	ND	ND	8.505
	8-Apr-2004	8:36	20.197	-0.813	-2.813	11.928	8.269	ND	ND	8.269
	10-May-2004	11:12	20.197	-0.813	-2.813	12.194	8.003	ND	ND	8.003
	8-Jun-2004	11:10	20.197	-0.813	-2.813	12.210	7.987	ND	ND	7.987
	7-Jul-2004	13:31	20.197	-0.813	-2.813	12.079	8.118	ND	ND	8.118
	9-Aug-2004	9:30	20.197	-0.813	-2.813	11.770	8.427	ND	ND	8.427
	14-Sep-2004	9:50	20.197	-0.813	-2.813	11.385	8.812	ND	ND	8.812
	11-Oct-2004	9:12	20.197	-0.813	-2.813	11.172	9.025	ND	ND	9.025
	11-Nov-2004	12:28	20.197	-0.813	-2.813	11.138	9.059	ND	ND	9.059
	9-May-2005	17:33	20.197	-0.813	-2.813	10.305	9.892	ND	ND	9.892
	8-Jun-2005	15:00	20.197	-0.813	-2.813	12.155	8.042	ND	ND	8.042
	8-Jul-2005	14:07	20.197	-0.813	-2.813	11.570	8.627	ND	ND	8.627
	19-Aug-2005	14:45	20.197	-0.813	-2.813	11.075	9.122	ND	ND	9.122
	16-Sep-2005	13:40	20.197	-0.813	-2.813	10.740	9.457	ND	ND	9.457
	12-Dec-2006	16:30	20.197	-0.813	-2.813	11.670	8.527	ND	ND	8.527
	12-Jan-2007	08:35	20.197	-0.813	-2.813	11.840	8.357	ND	ND	8.357
	12-Feb-2007	09:44	20.197	-0.813	-2.813	12.095	8.102	ND	ND	8.102
	12-May-2008	10:46	20.197	-0.813	-2.813	12.220	7.977	ND	ND	7.977
	24-Mar-2009	12:24	20.197	-0.813	-2.813	11.920	8.277	ND	ND	8.277
	24-Aug-2009	13:09	20.197	-0.813	-2.813	11.745	8.452	ND	ND	8.452
MW35	5-Mar-2003	15:44	20.029	-5.943	-8.943	12.996	7.033	ND	ND	7.033
	14-Apr-2003	11:33	20.029	-5.943	-8.943	12.253	7.776	ND	ND	7.776
Leederville	9-Dec-2003	11:20	20.029	-5.943	-8.943	11.220	8.809	ND	ND	8.809
	9-Jan-2004	9:10	20.029	-5.943	-8.943	11.440	8.589	ND	ND	8.589
Stanley St	9-Feb-2004	10:37	20.029	-5.943	-8.943	11.744	8.285	ND	ND	8.285
	8-Mar-2004	9:10	20.029	-5.943	-8.943	12.020	8.009	ND	ND	8.009
	8-Apr-2004	8:25	20.029	-5.943	-8.943	12.270	7.759	ND	ND	7.759
	10-May-2004	10:56	20.029	-5.943	-8.943	12.404	7.625	ND	ND	7.625
	8-Jun-2004	11:04	20.029	-5.943	-8.943	12.330	7.699	ND	ND	7.699
	7-Jul-2004	11:00	20.029	-5.943	-8.943	12.060	7.969	ND	ND	7.969
	9-Aug-2004	9:21	20.029	-5.943	-8.943	11.850	8.179	ND	ND	8.179
	14-Sep-2004	9:43	20.029	-5.943	-8.943	11.418	8.611	ND	ND	8.611
	11-Oct-2004	9:04	20.029	-5.943	-8.943	11.334	8.695	ND	ND	8.695
	11-Nov-2004	12:15	20.029	-5.943	-8.943	11.378	8.651	ND	ND	8.651
	9-May-2005	17:40	20.029	-5.943	-8.943	NM	NM	ND	ND	NA
	8-Jun-2005	15:15	20.029	-5.943	-8.943	NM	NM	ND	ND	NA
	8-Jul-2005	14:15	20.029	-5.943	-8.943	NM	NM	ND	ND	NA
	19-Aug-2005	15:06	20.172	-5.943	-8.943	11.325	8.947	ND	ND	8.947
	16-Sep-2005	15:20	20.172	-5.943	-8.943	11.040	9.132	ND	ND	9.132
	13-Dec-2006	10:40	20.172	-5.943	-8.943	11.925	8.247	ND	ND	8.247
	12-Jan-2007	07:50	20.172	-5.943	-8.943	12.200	7.972	ND	ND	7.972
	12-Feb-2007	09:20	20.172	-5.943	-8.943	12.460	7.712	ND	ND	7.712
	12-May-2008	11:03	20.172	-5.943	-8.943	12.500	7.672	ND	ND	7.672
	24-Mar-2009	15:00	20.172	-5.943	-8.943	12.300	7.872	ND	ND	7.872
	24-Aug-2009	14:35	20.172	-5.943	-8.943	11.845	8.327	ND	ND	8.327
	17-Jun-2011	9:16	20.172	-5.943	-8.943	13.050	7.122	ND	ND	7.122

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water	Water Level	Depth to PSH	PSH Thickness	Groundwater Elevation
			(m AHD)	(m AHD)	(m AHD)	(m)	(m AHD)	(m)	(m)	(m AHD)
GROUNDWATER MONITORING WELLS										
MW36	5-Mar-2003	15:50	9.185	-3.566	-6.566	3.886	5.299	ND	ND	5.299
	14-Apr-2003	10:26	9.185	-3.566	-6.566	2.718	6.467	ND	ND	6.467
Alluvium	9-Dec-2003	11:49	9.185	-3.566	-6.566	2.230	6.955	ND	ND	6.955
	9-Jan-2004	7:32	9.185	-3.566	-6.566	2.450	6.735	ND	ND	6.735
Damplands	9-Feb-2004	9:52	9.185	-3.566	-6.566	2.693	6.492	ND	ND	6.492
	8-Mar-2004	8:01	9.185	-3.566	-6.566	2.910	6.275	ND	ND	6.275
	8-Apr-2004	7:24	9.185	-3.566	-6.566	3.080	6.105	ND	ND	6.105
	10-May-2004	10:18	9.185	-3.566	-6.566	2.998	6.187	ND	ND	6.187
	8-Jun-2004	10:08	9.185	-3.566	-6.566	2.594	6.591	ND	ND	6.591
	7-Jul-2004	10:40	9.185	-3.566	-6.566	2.180	7.005	ND	ND	7.005
	9-Aug-2004	8:34	9.185	-3.566	-6.566	2.025	7.160	ND	ND	7.160
	14-Sep-2004	8:54	9.185	-3.566	-6.566	1.814	7.371	ND	ND	7.371
	11-Oct-2004	8:25	9.185	-3.566	-6.566	1.962	7.223	ND	ND	7.223
	11-Nov-2004	11:43	9.185	-3.566	-6.566	2.068	7.117	ND	ND	7.117
	9-May-2005	10:03	9.185	-3.566	-6.566	2.760	6.425	ND	ND	6.425
	8-Jun-2005	8:55	9.185	-3.566	-6.566	2.170	7.015	ND	ND	7.015
	8-Jul-2005	8:07	9.185	-3.566	-6.566	1.650	7.535	ND	ND	7.535
	19-Aug-2005	9:07	9.185	-3.566	-6.566	1.395	7.790	ND	ND	7.790
	16-Sep-2005	7:23	9.185	-3.566	-6.566	1.620	7.565	ND	ND	7.565
	12-Dec-2006	11:58	9.185	-3.566	-6.566	2.515	6.670	ND	ND	6.670
	12-Jan-2007	06:50	9.185	-3.566	-6.566	2.720	6.465	ND	ND	6.465
	12-Feb-2007	08:40	9.185	-3.566	-6.566	3.055	6.130	ND	ND	6.130
	12-May-2008	13:43	9.185	-3.566	-6.566	2.780	6.405	ND	ND	6.405
	3-Apr-2009	12:31	9.185	-3.566	-6.566	3.240	5.945	ND	ND	5.945
	24-Aug-2009	15:58	9.185	-3.566	-6.566	1.525	7.660	ND	ND	7.660
	17-Sep-2009	14:05	9.185	-3.566	-6.566	1.570	7.615	ND	ND	7.615
	2-Jun-2010	10:05	9.185	-3.566	-6.566	3.050	6.135	ND	ND	6.135
	22-Dec-2010	12:54	9.185	-3.566	-6.566	2.893	6.292	ND	ND	6.292
	17-Jun-2011	8:17	9.185	-3.566	-6.566	3.310	5.875	ND	ND	5.875
MW37	5-Mar-2003	14:10	19.341	5.583	6.583	11.014	8.327	ND	ND	8.327
	14-Apr-2003	12:07	19.341	5.583	6.583	11.313	8.028	ND	ND	8.028
Regional	9-Dec-2003	9:57	19.341	5.583	6.583	10.210	9.131	ND	ND	9.131
	9-Jan-2004	11:24	19.341	5.583	6.583	10.428	8.913	ND	ND	8.913
Lot 2	9-Feb-2004	12:43	19.341	5.583	6.583	10.714	8.627	ND	ND	8.627
	8-Mar-2004	10:30	19.341	5.583	6.583	11.000	8.341	ND	ND	8.341
	8-Apr-2004	9:54	19.341	5.583	6.583	11.260	8.081	ND	ND	8.081
	10-May-2004	11:44	19.341	5.583	6.583	11.464	7.877	ND	ND	7.877
	8-Jun-2004	11:25	19.341	5.583	6.583	12.460	6.881	ND	ND	6.881
	7-Jul-2004	11:02	19.341	5.583	6.583	11.225	8.116	ND	ND	8.116
	9-Aug-2004	13:10	19.341	5.583	6.583	10.998	8.343	ND	ND	8.343
	14-Sep-2004	10:26	19.341	5.583	6.583	10.583	8.758	ND	ND	8.758
	11-Oct-2004	1:48	19.341	5.583	6.583	10.425	8.916	ND	ND	8.916
	11-Nov-2004	13:27	19.341	5.583	6.583	10.428	8.913	ND	ND	8.913
	9-May-2005	16:33	19.341	5.583	6.583	11.555	7.786	ND	ND	7.786
	8-Jun-2005	12:30	19.341	5.583	6.583	11.370	7.971	ND	ND	7.971
	8-Jul-2005	11:17	19.341	5.583	6.583	10.775	8.566	ND	ND	8.566
	19-Aug-2005	11:33	19.341	5.583	6.583	10.360	8.981	ND	ND	8.981
	16-Sep-2005	9:26	19.341	5.583	6.583	10.040	9.301	ND	ND	9.301
	12-Dec-2006	17:56	19.341	5.583	6.583	10.955	8.386	ND	ND	8.386
	12-Jan-2007	09:25	19.341	5.583	6.583	11.140	8.201	ND	ND	8.201
	12-Feb-2007	11:27	19.341	5.583	6.583	11.390	7.951	ND	ND	7.951
	18-Mar-2008	11:00	19.341	5.583	6.583	11.430	7.911	ND	ND	7.911
	12-May-2008	13:16	19.341	5.583	6.583	11.490	7.851	ND	ND	7.851
	24-Mar-2009	11:00	19.341	5.583	6.583	11.246	8.095	ND	ND	8.095
	24-Aug-2009	11:56	19.341	5.583	6.583	10.960	8.381	ND	ND	8.381
	22-Dec-2010	8:09	19.341	5.583	6.583	11.290	8.051	ND	ND	8.051
MW38	5-Mar-2003	16:00	19.341	-3.880	-6.880	11.110	8.231	ND	ND	8.231
	14-Apr-2003	12:12	19.341	-3.880	-6.880	11.369	7.972	ND	ND	7.972
Leederville	9-Dec-2003	9:49	19.341	-3.880	-6.880	10.310	9.031	ND	ND	9.031
	9-Jan-2004	11:15	19.341	-3.880	-6.880	10.530	8.811	ND	ND	8.811
Lot 2	9-Feb-2004	12:47	19.341	-3.880	-6.880	10.825	8.516	ND	ND	8.516
	8-Mar-2004	10:35	19.341	-3.880	-6.880	11.100	8.241	ND	ND	8.241
	8-Apr-2004	9:59	19.341	-3.880	-6.880	11.360	7.981	ND	ND	7.981
	10-May-2004	11:47	19.341	-3.880	-6.880	11.533	7.808	ND	ND	7.808
	8-Jun-2004	11:28	19.341	-3.880	-6.880	11.485	7.856	ND	ND	7.856
	7-Jul-2004	11:27	19.341	-3.880	-6.880	11.290	8.051	ND	ND	8.051
	9-Aug-2004	13:13	19.341	-3.880	-6.880	11.000	8.341	ND	ND	8.341
	14-Sep-2004	10:24	19.341	-3.880	-6.880	10.597	8.744	ND	ND	8.744
	11-Oct-2004	9:45	19.341	-3.880	-6.880	10.480	8.861	ND	ND	8.861
	11-Nov-2004	13:24	19.341	-3.880	-6.880	10.487	8.854	ND	ND	8.854
	9-May-2005	16:30	19.341	-3.880	-6.880	11.590	7.751	ND	ND	7.751
	8-Jun-2005	12:33	19.341	-3.880	-6.880	11.365	7.976	ND	ND	7.976
	8-Jul-2005	11:20	19.341	-3.880	-6.880	10.760	8.581	ND	ND	8.581
	19-Aug-2005	11:35	19.341	-3.880	-6.880	10.360	8.981	ND	ND	8.981
	16-Sep-2005	9:28	19.341	-3.880	-6.880	10.080	9.261	ND	ND	9.261
	12-Dec-2006	18:00	19.341	-3.880	-6.880	11.020	8.321	ND	ND	8.321
	12-Jan-2007	09:27	19.341	-3.880	-6.880	11.210	8.131	ND	ND	8.131
	12-Feb-2007	11:30	19.341	-3.880	-6.880	11.470	7.871	ND	ND	7.871
	12-May-2008	13:18	19.341	-3.880	-6.880	11.510	7.831	ND	ND	7.831
	24-Mar-2009	11:02	19.341	-3.880	-6.880	11.346	7.995	ND	ND	7.995
	24-Aug-2009	11:59	19.341	-3.880	-6.880	10.915	8.426	ND	ND	8.426
	17-Jun-2011	10:10	19.341	-3.880	-6.880	12.090	7.251	ND	ND	7.251
MW39	5-Mar-2003	16:05	18.358	7.121	4.121	9.779	8.579	ND	ND	8.579
	14-Apr-2003	12:21	18.358	7.121	4.121	10.090	8.268	ND	ND	8.268
Regional	9-Dec-2003	10:05	18.358	7.121	4.121	8.910	9.448	ND	ND	9.448
	9-Jan-2004	11:49	18.358	7.121	4.121	9.140	9.218	ND	ND	9.218
Lot 2	9-Feb-2004	12:53	18.358	7.121	4.121	9.432	8.926	ND	ND	8.926
	8-Mar-2004	11:02	18.358	7.121	4.121	9.768	8.590	ND	ND	8.590
	8-Apr-2004	10:07	18.358	7.121	4.121	10.010	8.348	ND	ND	8.348
	10-May-2004	11:52	18.358	7.121	4.121	10.226	8.132	ND	ND	8.132
	8-Jun-2004	11:35	18.358	7.121	4.121	10.260	8.098	ND	ND	8.098
	7-Jul-2004	11:39	18.358	7.121	4.121	10.010	8.348	ND	ND	8.348
	9-Aug-2004	13:17	18.358	7.121	4.121	9.790	8.568	ND	ND	8.568
	14-Sep-2004	10:32	18.358	7.121	4.121	9.343	9.015	ND	ND	9.015
	11-Oct-2004	9:52	18.358	7.121	4.121	9.154	9.204	ND	ND	9.204
	11-Nov-2004	13:32	18.358	7.121	4.121	9.160	9.198	ND	ND	9.198
	9-May-2005	16:23	18.358	7.121	4.121	10.335	8.023	ND	ND	8.023
	8-Jun-2005	12:37	18.358	7.121	4.121	10.160	8.198	ND	ND	8.198
	8-Jul-2005	11:14	18.358	7.121	4.121	9.570	8.788	ND	ND	8.788
	19-Aug-2005	11:29	18.358	7.121	4.121	9.135	9.223	ND	ND	9.223
	16-Sep-2005	9:22	18.358	7.121	4.121	8.745	9.613	ND	ND	9.613
	12-Dec-2006	17:20	18.358	7.121	4.121	9.725	8.633	ND	ND	8.633
	12-Jan-2007	09:20	18.358	7.121	4.121	9.930	8.428	ND	ND	8.428
	12-Feb-2007	11:22	18.358	7.121	4.121	10.175	8.183	ND	ND	8.183
	12-May-2008	13:00	18.358	7.121	4.121	10.270	8.088	ND	ND	8.088
	24-Mar-2									

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW40	5-Mar-2003	16:07	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	14-Apr-2003	12:25	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
Shallow	9-Dec-2003	9:37	18.180	16.132	15.132	3.030	15.150	ND	ND	15.150
	9-Jan-2004	11:33	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
Lot 2	9-Feb-2004	13:00	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	8-Mar-2004	11:10	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	8-Apr-2004	10:11	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	10-May-2004	11:56	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	8-Jun-2004	NR	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	7-Jul-2004	NR	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	9-Aug-2004	NR	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	14-Sep-2004	10:37	18.180	16.132	15.132	2.625	15.555	ND	ND	15.555
	11-Oct-2004	9:55	18.180	16.132	15.132	2.886	15.294	ND	ND	15.294
	11-Nov-2004	13:36	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	9-May-2005	16:17	18.180	16.132	15.132	3.093	15.087	ND	ND	15.087
	8-Jun-2005	12:22	18.180	16.132	15.132	3.095	15.085	ND	ND	15.085
	8-Jul-2005	11:08	18.180	16.132	15.132	2.325	15.855	ND	ND	15.855
	19-Aug-2005	11:26	18.180	16.132	15.132	2.555	15.625	ND	ND	15.625
	16-Sep-2005	9:17	18.180	16.132	15.132	2.605	15.575	ND	ND	15.575
	12-May-2008	12:30	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	24-Mar-2009	10:21	18.180	16.132	15.132	DRY	DRY	ND	ND	NA
	24-Aug-2009	11:20	18.180	16.132	15.132	2.200	15.980	ND	ND	15.980
MW41	5-Mar-2003	16:08	18.628	15.941	12.941	DRY	DRY	ND	ND	NA
	14-Apr-2003	12:37	18.628	15.941	12.941	3.874	14.754	ND	ND	14.754
Shallow	9-Dec-2003	9:16	18.628	15.941	12.941	3.921	14.707	ND	ND	14.707
	9-Jan-2004	12:36	18.628	15.941	12.941	4.465	14.163	ND	ND	14.163
Lot 2	9-Feb-2004	13:09	18.628	15.941	12.941	DRY	DRY	ND	ND	NA
	8-Mar-2004	11:17	18.628	15.941	12.941	DRY	DRY	ND	ND	NA
	8-Apr-2004	10:25	18.628	15.941	12.941	DRY	DRY	ND	ND	NA
	10-May-2004	12:02	18.628	15.941	12.941	DRY	DRY	ND	ND	NA
	8-Jun-2004	11:30	18.628	15.941	12.941	3.862	14.766	ND	ND	14.766
	7-Jul-2004	12:11	18.628	15.941	12.941	3.240	15.388	ND	ND	15.388
	9-Aug-2004	13:34	18.628	15.941	12.941	3.355	15.273	ND	ND	15.273
	14-Sep-2004	10:49	18.628	15.941	12.941	3.210	15.418	ND	ND	15.418
	11-Oct-2004	10:02	18.628	15.941	12.941	3.567	15.061	ND	ND	15.061
	11-Nov-2004	13:43	18.628	15.941	12.941	3.834	14.794	ND	ND	14.794
	9-May-2005	16:53	18.628	15.941	12.941	4.840	13.788	ND	ND	13.788
	8-Jun-2005	12:59	18.628	15.941	12.941	3.570	15.058	ND	ND	15.058
	8-Jul-2005	11:41	18.628	15.941	12.941	2.965	15.663	ND	ND	15.663
	19-Aug-2005	12:06	18.628	15.941	12.941	3.055	15.573	ND	ND	15.573
	16-Sep-2005	9:51	18.628	15.941	12.941	3.075	15.553	ND	ND	15.553
	12-May-2008	12:21	18.628	15.941	12.941	DRY	DRY	ND	ND	DRY
	24-Mar-2009	10:13	18.628	15.941	12.941	DRY	DRY	ND	ND	DRY
	24-Aug-2009	11:32	18.628	15.941	12.941	2.960	15.668	ND	ND	15.668
MW42	5-Mar-2003	16:10	18.047	7.935	4.935	9.362	8.685	ND	ND	8.685
	14-Apr-2003	12:44	18.047	7.935	4.935	9.687	8.360	ND	ND	8.360
Regional	9-Dec-2003	9:07	18.047	7.935	4.935	8.500	9.547	ND	ND	9.547
	9-Jan-2004	12:20	18.047	7.935	4.935	8.720	9.327	ND	ND	9.327
Lot 2	9-Feb-2004	13:16	18.047	7.935	4.935	9.015	9.032	ND	ND	9.032
	8-Mar-2004	11:30	18.047	7.935	4.935	9.330	8.717	ND	ND	8.717
	8-Apr-2004	10:21	18.047	7.935	4.935	9.605	8.442	ND	ND	8.442
	10-May-2004	12:05	18.047	7.935	4.935	9.832	8.215	ND	ND	8.215
	8-Jun-2004	11:35	18.047	7.935	4.935	9.890	8.157	ND	ND	8.157
	7-Jul-2004	12:19	18.047	7.935	4.935	9.651	8.396	ND	ND	8.396
	9-Aug-2004	13:40	18.047	7.935	4.935	9.415	8.632	ND	ND	8.632
	14-Sep-2004	10:52	18.047	7.935	4.935	9.955	8.092	ND	ND	8.092
	11-Oct-2004	10:06	18.047	7.935	4.935	8.763	9.284	ND	ND	9.284
	11-Nov-2004	13:45	18.047	7.935	4.935	8.760	9.287	ND	ND	9.287
	9-May-2005	16:47	18.047	7.935	4.935	9.965	8.082	ND	ND	8.082
	8-Jun-2005	12:53	18.047	7.935	4.935	9.805	8.242	ND	ND	8.242
	8-Jul-2005	11:37	18.047	7.935	4.935	9.210	8.837	ND	ND	8.837
	19-Aug-2005	12:00	18.047	7.935	4.935	8.740	9.307	ND	ND	9.307
	16-Sep-2005	9:48	18.047	7.935	4.935	8.355	9.692	ND	ND	9.692
	12-Dec-2006	17:09	18.047	7.935	4.935	9.315	8.732	ND	ND	8.732
	12-Jan-2007	9:06	18.047	7.935	4.935	9.510	8.537	ND	ND	8.537
	12-Feb-2007	11:13	18.047	7.935	4.935	9.755	8.292	ND	ND	8.292
	25-Mar-2008	11:00	18.047	7.935	4.935	9.640	8.407	ND	ND	8.407
	12-May-2008	12:38	18.047	7.935	4.935	9.880	8.167	ND	ND	8.167
	24-Mar-2009	9:51	18.047	7.935	4.935	9.564	8.483	ND	ND	8.483
	24-Aug-2009	11:38	18.047	7.935	4.935	9.435	8.612	ND	ND	8.612
	31-May-2010	8:10	18.047	7.935	4.935	10.050	7.997	ND	ND	7.997
	22-Dec-2010	13:50	18.047	7.935	4.935	9.664	8.383	ND	ND	8.383
	17-Jun-2011	10:18	18.047	7.935	4.935	10.490	7.557	ND	ND	7.557
MW43	5-Mar-2003	16:15	18.212	13.042	10.042	5.621	12.591	ND	ND	12.591
	14-Apr-2003	12:48	18.212	13.042	10.042	5.817	12.395	ND	ND	12.395
Shallow	9-Dec-2003	9:01	18.212	13.042	10.042	4.661	13.551	ND	ND	13.551
	9-Jan-2004	12:27	18.212	13.042	10.042	5.050	13.162	ND	ND	13.162
Lot 2	9-Feb-2004	13:13	18.212	13.042	10.042	5.422	12.790	ND	ND	12.790
	8-Mar-2004	11:37	18.212	13.042	10.042	5.740	12.472	ND	ND	12.472
	8-Apr-2004	10:16	18.212	13.042	10.042	6.032	12.180	ND	ND	12.180
	10-May-2004	12:07	18.212	13.042	10.042	6.347	11.865	ND	ND	11.865
	8-Jun-2004	11:40	18.212	13.042	10.042	6.200	12.012	ND	ND	12.012
	7-Jul-2004	12:24	18.212	13.042	10.042	5.410	12.802	ND	ND	12.802
	9-Aug-2004	13:44	18.212	13.042	10.042	4.972	13.240	ND	ND	13.240
	14-Sep-2004	10:54	18.212	13.042	10.042	4.345	13.867	ND	ND	13.867
	11-Oct-2004	10:08	18.212	13.042	10.042	4.615	13.597	ND	ND	13.597
	11-Nov-2004	13:48	18.212	13.042	10.042	4.962	13.250	ND	ND	13.250
	9-May-2005	16:50	18.212	13.042	10.042	DRY	DRY	ND	ND	NA
	8-Jun-2005	12:56	18.212	13.042	10.042	6.055	12.157	ND	ND	12.157
	8-Jul-2005	11:35	18.212	13.042	10.042	4.255	13.957	ND	ND	13.957
	19-Aug-2005	12:03	18.212	13.042	10.042	4.430	13.782	ND	ND	13.782
	16-Sep-2005	9:46	18.212	13.042	10.042	4.347	13.865	ND	ND	13.865
	12-May-2008	12:44	18.212	13.042	10.042	DRY	DRY	ND	ND	DRY
	24-Mar-2009	9:55	18.212	13.042	10.042	DRY	DRY	ND	ND	DRY
	24-Aug-2009	11:41	18.212	13.042	10.042	9.600	8.612	ND	ND	8.612
	17-Jun-2011	10:22	18.212	13.042	10.042	DRY	DRY	ND	ND	DRY

Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MW44	5-Mar-2003	14:51	18.862	10.891	9.391	6.915	11.947	ND	ND	11.947
	14-Apr-2003	15:05	18.862	10.891	9.391	9.169	9.693	ND	ND	9.693
Shallow	9-Dec-2003	14:17	18.862	10.891	9.391	6.120	12.742	ND	ND	12.742
	9-Jan-2004	15:00	18.862	10.891	9.391	7.010	11.852	ND	ND	11.852
Former Waste	9-Feb-2004	14:56	18.862	10.891	9.391	7.648	11.214	ND	ND	11.214
Control Site	8-Mar-2004	13:50	18.862	10.891	9.391	7.972	10.890	ND	ND	10.890
	8-Apr-2004	12:17	18.862	10.891	9.391	8.272	10.590	ND	ND	10.590
	10-May-2004	13:20	18.862	10.891	9.391	8.378	10.484	ND	ND	10.484
	8-Jun-2004	14:40	18.862	10.891	9.391	8.450	10.412	ND	ND	10.412
	7-Jul-2004	14:44	18.862	10.891	9.391	7.750	11.112	ND	ND	11.112
	9-Aug-2004	12:30	18.862	10.891	9.391	7.700	11.162	ND	ND	11.162
	14-Sep-2004	12:52	18.862	10.891	9.391	6.612	12.250	ND	ND	12.250
	11-Oct-2004	11:14	18.862	10.891	9.391	6.250	12.612	ND	ND	12.612
	11-Nov-2004	NM	18.862	10.891	9.391	NM	NM	NM	NM	NA
	9-May-2005	13:13	18.862	10.891	9.391	7.130	11.732	ND	ND	11.732
	8-Jun-2005	14:00	18.862	10.891	9.391	6.650	12.212	ND	ND	12.212
	8-Jul-2005	13:11	18.862	10.891	9.391	6.095	12.767	ND	ND	12.767
	19-Aug-2005	14:08	18.862	10.891	9.391	6.005	12.857	ND	ND	12.857
	16-Sep-2005	15:00	18.862	10.891	9.391	6.270	12.592	ND	ND	12.592
	12-May-2008	8:41	18.862	10.891	9.391	7.440	11.422	ND	ND	11.422
	24-Mar-2009	8:42	18.862	10.891	9.391	6.965	11.897	ND	ND	11.897
	24-Aug-2009	9:14	18.862	10.891	9.391	6.235	12.627	ND	ND	12.627
	17-Jun-2011	12:33	18.862	10.891	9.391	7.450	11.412	ND	ND	11.412
MWG45	21-Jan-2005	-	16.294	-2.580	-5.580	6.605	9.689	ND	ND	9.689 *
	21-Feb-2005	10:00	16.294	-2.580	-5.580	6.935	9.359	ND	ND	9.359
Leederville	9-May-2005	8:47	16.294	-2.580	-5.580	7.375	8.919	ND	ND	8.919
	8-Jun-2005	14:45	16.294	-2.580	-5.580	7.140	9.154	ND	ND	9.154
Irwin St	8-Jul-2005	13:51	16.294	-2.580	-5.580	6.430	9.864	ND	ND	9.864
	19-Aug-2005	14:24	16.294	-2.580	-5.580	6.000	10.294	ND	ND	10.294
	16-Sep-2005	10:52	16.294	-2.580	-5.580	5.543	10.751	ND	ND	10.751
	12-Dec-2006	18:30	16.294	-2.580	-5.580	6.640	9.654	ND	ND	9.654
	12-Jan-2007	08:00	16.294	-2.580	-5.580	6.885	9.409	ND	ND	9.409
	12-Feb-2007	09:30	16.294	-2.580	-5.580	7.150	9.144	ND	ND	9.144
	12-May-2008	11:46	16.294	-2.580	-5.580	7.220	9.074	ND	ND	9.074
	24-Mar-2009	11:45	16.294	-2.580	-5.580	7.060	9.234	ND	ND	9.234
	24-Aug-2009	8:36	16.294	-2.580	-5.580	6.595	9.699	ND	ND	9.699
	25-May-2010	10:00	16.294	-2.580	-5.580	7.460	8.834	ND	ND	8.834
	17-Jun-2011	10:54	16.294	-2.580	-5.580	7.980	8.314	ND	ND	8.314
MWG46	21-Jan-2005	-	16.291	4.920	1.920	6.560	9.731	ND	ND	9.731 *
	21-Feb-2005	13:00	16.291	4.920	1.920	6.930	9.361	ND	ND	9.361
Base of Guildford	9-May-2005	8:49	16.291	4.920	1.920	7.375	8.916	ND	ND	8.916
	8-Jun-2005	14:48	16.291	4.920	1.920	7.125	9.166	ND	ND	9.166
	8-Jul-2005	13:55	16.291	4.920	1.920	6.420	9.871	ND	ND	9.871
Irwin St	19-Aug-2005	14:22	16.291	4.920	1.920	5.985	10.306	ND	ND	10.306
	16-Sep-2005	10:54	16.291	4.920	1.920	5.250	11.041	ND	ND	11.041
	12-Dec-2006	18:32	16.291	4.920	1.920	6.635	9.656	ND	ND	9.656
	12-Jan-2007	08:02	16.291	4.920	1.920	6.890	9.401	ND	ND	9.401
	12-Feb-2007	09:35	16.291	4.920	1.920	7.150	9.141	ND	ND	9.141
	12-May-2008	11:40	16.291	4.920	1.920	7.220	9.071	ND	ND	9.071
	24-Mar-2009	10:56	16.291	4.920	1.920	6.983	9.308	ND	ND	9.308
	24-Aug-2009	8:43	16.291	4.920	1.920	6.610	9.681	ND	ND	9.681
	24-May-2010	11:53	16.291	4.920	1.920	7.450	8.841	ND	ND	8.841
	17-Jun-2011	11:00	16.291	4.920	1.920	7.970	8.321	ND	ND	8.321
MWG47	28-Jul-2005	8:50	19.893	-11.157	-8.157	11.395	8.498	ND	ND	8.498
	19-Aug-2005	11:40	19.893	-11.157	-8.157	11.060	8.833	ND	ND	8.833
Leederville	16-Sep-2005	9:32	19.893	-11.157	-8.157	10.880	9.013	ND	ND	9.013
	12-Dec-2006	17:40	19.893	-11.157	-8.157	11.835	8.058	ND	ND	8.058
Lot 2	12-Jan-2007	9:40	19.893	-11.157	-8.157	12.040	7.853	ND	ND	7.853
	12-Feb-2007	11:48	19.893	-11.157	-8.157	12.310	7.583	ND	ND	7.583
	12-May-2008	12:46	19.893	-8.157	-11.157	12.280	7.613	ND	ND	7.613
	24-Mar-2009	11:11	19.893	-11.157	-8.157	12.210	7.683	ND	ND	7.683
	24-Aug-2009	12:29	19.893	-11.157	-8.157	11.500	8.393	ND	ND	8.393
	25-May-2010	9:00	19.893	-11.157	-8.157	12.490	7.403	ND	ND	7.403
	17-Jun-2011	9:57	19.893	-11.157	-8.157	12.825	7.068	ND	ND	7.068
MWG48	28-Jul-2005	14:12	19.979	-1.791	1.209	11.390	8.589	ND	ND	8.589
	19-Aug-2005	11:42	19.979	-1.791	1.209	11.230	8.749	ND	ND	8.749
Base of Guildford	16-Sep-2005	9:34	19.979	-1.791	1.209	11.003	8.976	ND	ND	8.976
	12-Dec-2006	17:43	19.979	-1.791	1.209	11.940	8.039	ND	ND	8.039
	12-Jan-2007	9:43	19.979	-1.791	1.209	12.130	7.849	ND	ND	7.849
Lot 2	12-Feb-2007	11:45	19.979	-1.791	1.209	12.390	7.589	ND	ND	7.589
	12-May-2008	12:47	19.979	1.209	-1.791	12.430	7.549	ND	ND	7.549
	24-Mar-2009	11:14	19.979	-1.791	1.209	12.282	7.697	ND	ND	7.697
	24-Aug-2009	12:27	19.979	-1.791	1.209	11.700	8.279	ND	ND	8.279
	25-May-2010	11:00	19.979	-1.791	1.209	12.560	7.419	ND	ND	7.419
	17-Jun-2011	9:54	19.979	-1.791	1.209	12.910	7.069	ND	ND	7.069
MWG49	1-Aug-2005	8:35	20.097	11.777	5.777	11.490	8.607	ND	ND	8.607
	19-Aug-2005	11:44	20.097	11.777	5.777	11.340	8.757	ND	ND	8.757
Regional	16-Sep-2005	9:36	20.097	11.777	5.777	11.110	8.987	ND	ND	8.987
	12-Dec-2006	17:46	20.097	11.777	5.777	12.050	8.047	ND	ND	8.047
Lot 2	12-Jan-2007	09:46	20.097	11.777	5.777	12.240	7.857	ND	ND	7.857
	12-Feb-2007	11:43	20.097	11.777	5.777	12.500	7.597	ND	ND	7.597
	19-Mar-2008	11:00	20.097	11.777	5.777	12.570	7.527	ND	ND	7.527
	12-May-2008	12:49	20.097	11.777	5.777	12.540	7.557	ND	ND	7.557
	26-Mar-2009	11:16	20.097	11.777	5.777	12.390	7.707	ND	ND	7.707
	24-Aug-2009	12:25	20.097	11.777	5.777	11.810	8.287	ND	ND	8.287
	22-Dec-2010	7:54	20.097	11.777	5.777	20.090	0.007	ND	ND	0.007
	25-May-2010	12:15	20.097	11.777	5.777	12.640	7.457	ND	ND	7.457
	17-Jun-2011	9:53	20.097	11.777	5.777	12.140	7.957	ND	ND	7.957
MWG50	8-Aug-2005	12:10	19.599	0.699	3.699	10.560	9.039	ND	ND	9.039
	19-Aug-2005	14:45	19.599	0.699	3.699	10.470	9.129	ND	ND	9.129
Base of Guildford	16-Sep-2005	13:10	19.599	0.699	3.699	10.130	9.469	ND	ND	9.469
	12-Dec-2006	19:15	19.599	0.699	3.699	11.070	8.529	ND	ND	8.529
	12-Jan-2007	08:47	19.599	0.699	3.699	11.235	8.364	ND	ND	8.364
Oliver St	12-Feb-2007	09:47	19.599	0.699	3.699	11.480	8.119	ND	ND	8.119
	12-May-2008	9:26	19.599	0.699	3.699	11.620	7.979	ND	ND	7.979
	24-Mar-2009	7:48	19.599	0.699	3.699	10.325	9.274	ND	ND	9.274
	24-Aug-2009	10:31	19.599	0.699	3.699	11.160	8.439	ND	ND	8.439
	17-Jun-2011	9:39	19.599	0.699	3.699	12.175	7.424	ND	ND	7.424

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG51	8-Aug-2005	10:00	19.625	5.795	11.795	10.590	9.035	ND	ND	9.035
	19-Aug-2005	14:48	19.625	5.795	11.795	10.495	9.130	ND	ND	9.130
Regional	16-Sep-2005	13:12	19.625	5.795	11.795	10.155	9.470	ND	ND	9.470
	12-Dec-2006	19:20	19.625	5.795	11.795	11.090	8.535	ND	ND	8.535
Oliver St	12-Jan-2007	08:45	19.625	5.795	11.795	11.250	8.375	ND	ND	8.375
	12-Feb-2007	09:50	19.625	5.795	11.795	11.495	8.130	ND	ND	8.130
	18-Mar-2008	11:00	19.625	5.795	11.795	11.500	8.125	ND	ND	8.125
	12-May-2008	9:23	19.625	5.795	11.795	11.650	7.975	ND	ND	7.975
	24-Mar-2009	14:25	19.625	5.795	11.795	10.325	9.300	ND	ND	9.300
	24-Aug-2009	10:34	19.625	5.795	11.795	11.190	8.435	ND	ND	8.435
	17-Jun-2011	9:38	19.625	5.795	11.795	12.200	7.425	ND	ND	7.425
MWG52	12-Dec-2006	17:17	18.239	9.929	6.929	9.490	8.749	ND	ND	8.749
	12-Jan-2007	09:15	18.239	9.929	6.929	9.695	8.544	ND	ND	8.544
Regional	12-Feb-2007	11:20	18.239	9.929	6.929	9.935	8.304	ND	ND	8.304
	12-May-2008	12:54	18.239	9.929	6.929	10.070	8.169	ND	ND	8.169
Lot 2	24-Mar-2009	10:36	18.239	9.929	6.929	9.780	8.459	ND	ND	8.459
	24-Aug-2009	11:48	18.239	9.929	6.929	9.600	8.639	ND	ND	8.639
MWG53	12-Dec-2006	17:00	19.570	4.210	1.210	11.020	8.550	ND	ND	8.550
	12-Jan-2007	09:00	19.570	4.210	1.210	11.200	8.370	ND	ND	8.370
BoG	12-Feb-2007	11:05	19.570	4.210	1.210	11.450	8.120	ND	ND	8.120
	12-May-2008	13:05	19.570	4.210	1.210	11.570	8.000	ND	ND	8.000
Lot 2	24-Mar-2009	9:42	19.570	4.210	1.210	11.300	8.270	ND	ND	8.270
	24-Aug-2009	10:59	19.570	4.210	1.210	11.110	8.460	ND	ND	8.460
MWG54	12-Dec-2006	17:05	19.568	9.773	6.773	10.620	8.948	ND	ND	8.948
	12-Jan-2007	09:02	19.568	9.773	6.773	10.860	8.708	ND	ND	8.708
Regional	12-Feb-2007	11:08	19.568	9.773	6.773	11.110	8.458	ND	ND	8.458
	18-Mar-2008	11:00	19.568	9.773	6.773	11.260	8.308	ND	ND	8.308
Lot 2	12-May-2008	13:10	19.568	9.773	6.773	10.980	8.588	ND	ND	8.588
	24-Mar-2009	9:45	19.568	9.773	6.773	11.770	7.798	ND	ND	7.798
	24-Aug-2009	10:57	19.568	9.773	6.773	10.330	9.238	ND	ND	9.238
	26-May-2010	12:30	19.568	9.773	6.773	11.320	8.248	ND	ND	8.248
	17-Jun-2011	10:14	19.568	9.773	6.773	12.145	7.423	ND	ND	7.423
MWG55	12-Dec-2006	17:30	19.387	3.117	0.117	11.380	8.007	ND	ND	8.007
	12-Jan-2007	09:48	19.387	3.117	0.117	11.580	7.807	ND	ND	7.807
BoG	12-Feb-2007	11:55	19.387	3.117	0.117	11.840	7.547	ND	ND	7.547
	12-May-2008	12:26	19.387	3.117	0.117	11.860	7.527	ND	ND	7.527
Lot 2	24-Mar-2009	11:29	19.387	3.117	0.117	12.725	6.662	ND	ND	6.662
	24-Aug-2009	12:47	19.387	3.117	0.117	11.125	8.262	ND	ND	8.262
MWG56	12-Dec-2006	16:00	19.450	3.540	0.540	10.720	8.730	ND	ND	8.730
	12-Jan-2007	11:30	19.450	3.540	0.540	10.900	8.550	ND	ND	8.550
BoG	12-Feb-2007	10:32	19.450	3.540	0.540	11.150	8.300	ND	ND	8.300
	12-May-2008	10:08	19.450	3.540	0.540	11.310	8.140	ND	ND	8.140
Hanson	24-Mar-2009	13:00	19.450	3.540	0.540	10.970	8.480	ND	ND	8.480
	24-Aug-2009	13:57	19.450	3.540	0.540	10.875	8.575	ND	ND	8.575
	17-Jun-2011	11:35	19.450	3.540	0.540	11.880	7.570	ND	ND	7.570
MWG57	12-Dec-2006	17:33	19.269	9.034	6.034	11.250	8.019	ND	ND	8.019
	12-Jan-2007	09:50	19.269	9.034	6.034	11.445	7.824	ND	ND	7.824
Regional	12-Feb-2007	11:52	19.269	9.034	6.034	11.700	7.569	ND	ND	7.569
	1-Apr-2008	11:00	19.269	9.034	6.034	11.900	7.369	ND	ND	7.369
Lot 2	12-May-2008	12:38	19.269	9.034	6.034	11.770	7.499	ND	ND	7.499
	24-Mar-2009	11:22	19.269	9.034	6.034	11.626	7.643	ND	ND	7.643
	24-Aug-2009	12:5	19.269	9.034	6.034	11.040	8.229	ND	ND	8.229
	27-May-2010	13:50	19.269	9.034	6.034	11.910	7.359	ND	ND	7.359
	22-Dec-2010	7:28	19.269	9.034	6.034	11.547	7.722	ND	ND	7.722
	17-Jun-2011	9:45	19.269	9.034	6.034	12.265	7.004	ND	ND	7.004
MWG58	12-Dec-2006	17:51	19.877	3.437	0.437	11.615	8.262	ND	ND	8.262
	12-Jan-2007	09:31	19.877	3.437	0.437	11.795	8.082	ND	ND	8.082
BoG	12-Feb-2007	11:37	19.877	3.437	0.437	12.050	7.827	ND	ND	7.827
	12-May-2008	13:00	19.877	3.437	0.437	12.130	7.747	ND	ND	7.747
Lot 2	24-Mar-2009	10:52	19.877	3.437	0.437	11.930	7.947	ND	ND	7.947
	24-Aug-2009	12:18	19.877	3.437	0.437	11.525	8.352	ND	ND	8.352
MWG59	12-Dec-2006	17:54	19.971	9.506	6.506	11.720	8.251	ND	ND	8.251
	12-Jan-2007	09:34	19.971	9.506	6.506	11.910	8.061	ND	ND	8.061
Regional	12-Feb-2007	11:39	19.971	9.506	6.506	12.165	7.806	ND	ND	7.806
	19-Mar-2008	11:00	19.971	9.506	6.506	12.230	7.741	ND	ND	7.741
Lot 2	12-May-2008	13:02	19.971	9.506	6.506	12.240	7.731	ND	ND	7.731
	26-Mar-2009	8:00	19.971	9.506	6.506	12.200	7.771	ND	ND	7.771
	24-Aug-2009	12:15	19.971	9.506	6.506	11.640	8.331	ND	ND	8.331
	25-May-2010	14:30	19.971	9.506	6.506	12.390	7.581	ND	ND	7.581
	22-Dec-2010	7:20	19.971	9.506	6.506	12.028	7.943	ND	ND	7.943
	17-Jun-2011	10:02	19.971	9.506	6.506	12.760	7.211	ND	ND	7.211
MWG60	12-Dec-2006	13:35	8.361	4.086	1.086	1.610	6.751	ND	ND	6.751
	12-Jan-2007	07:16	8.361	4.086	1.086	1.825	6.536	ND	ND	6.536
Alluvium	12-Feb-2007	08:57	8.361	4.086	1.086	2.140	6.221	ND	ND	6.221
	3-Apr-2008	11:00	8.361	4.086	1.086	2.330	6.031	ND	ND	6.031
Damplands	24-Mar-2009	16:40	8.361	4.086	1.086	2.245	6.116	ND	ND	6.116
	24-Aug-2009	16:07	8.361	4.086	1.086	0.575	7.786	ND	ND	7.786
	2-Jun-2010	12:40	8.361	4.086	1.086	2.150	6.211	ND	ND	6.211
	22-Dec-2010	13:15	8.361	4.086	1.086	2.033	6.328	ND	ND	6.328
	25-Feb-2011	12:10	8.361	4.086	1.086	2.710	5.651	ND	ND	5.651
	9-Jun-2011	14:52	8.361	4.086	1.086	2.575	5.786	ND	ND	5.786
	17-Jun-2011	8:23	8.361	4.086	1.086	2.390	5.971	ND	ND	5.971
MWG61	12-Dec-2006	13:48	15.800	6.190	3.190	7.975	7.825	ND	ND	7.825
	12-Jan-2007	07:30	15.800	6.190	3.190	8.195	7.605	ND	ND	7.605
Regional	12-Feb-2007	09:09	15.800	6.190	3.190	8.455	7.345	ND	ND	7.345
	12-May-2008	13:53	15.800	6.190	3.190	8.440	7.360	ND	ND	7.360
Damplands	24-Mar-2009	14:27	15.800	6.190	3.190	8.350	7.450	ND	ND	7.450
	24-Aug-2009	15:24	15.800	6.190	3.190	7.550	8.250	ND	ND	8.250
	24-Aug-2010	14:52	15.800	6.190	3.190	8.030	7.770	ND	ND	7.770
	5-Nov-2010	11:33	15.800	6.190	3.190	8.060	7.740	ND	ND	7.740
	22-Dec-2010	13:21	15.800	6.190	3.190	8.315	7.485	ND	ND	7.485
	9-Jun-2011	15:04	15.800	6.190	3.190	8.995	6.805	ND	ND	6.805

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG62	12-Dec-2006	13:55	15.290	5.950	2.950	7.435	7.855	ND	ND	7.855
<i>Regional</i>	12-Jan-2007	07:35	15.290	5.950	2.950	7.660	7.630	ND	ND	7.630
<i>Damplands</i>	12-Feb-2007	09:12	15.290	5.950	2.950	7.915	7.375	ND	ND	7.375
	17-Mar-2008	11:00	15.290	6.290	3.290	7.980	7.310	ND	ND	7.310
	12-May-2008	13:49	15.290	6.290	3.290	7.910	7.380	ND	ND	7.380
	24-Mar-2009	14:32	15.290	5.950	2.950	7.835	7.455	ND	ND	7.455
	24-Aug-2009	15:34	15.290	5.950	2.950	7.085	8.205	ND	ND	8.205
	22-Sep-2009	13:42	15.290	5.950	2.950	6.920	8.370	ND	ND	8.370
	26-May-2010	8:18	15.290	5.950	2.950	8.050	7.240	ND	ND	7.240
	24-Aug-2010	14:29	15.290	5.950	2.950	7.470	7.820	ND	ND	7.820
	5-Nov-2010	11:27	15.290	5.950	2.950	7.475	7.815	ND	ND	7.815
	22-Dec-2010	13:26	15.290	5.950	2.950	7.702	7.588	ND	ND	7.588
	25-Feb-2011		15.290	5.950	2.950	8.180	7.110	ND	ND	7.110
	9-Jun-2011	14:46	15.290	5.950	2.950	8.440	6.850	ND	ND	6.850
	17-Jun-2011	8:41	15.290	5.950	2.950	8.400	6.890	ND	ND	6.890
MWG63	12-Dec-2006	14:00	15.868	5.293	2.293	7.980	7.888	ND	ND	7.888
<i>Regional</i>	12-Jan-2007	07:38	15.868	5.293	2.293	8.205	7.663	ND	ND	7.663
<i>Damplands</i>	12-Feb-2007	09:15	15.868	5.293	2.293	8.470	7.398	ND	ND	7.398
	30-Mar-2008	11:00	15.868	5.293	2.293	8.630	7.238	ND	ND	7.238
	12-May-2008	13:44	15.868	5.293	2.293	8.460	7.408	ND	ND	7.408
	24-Mar-2009	14:35	15.868	5.293	2.293	8.380	7.488	ND	ND	7.488
	24-Aug-2009	15:43	15.868	5.293	2.293	7.655	8.213	ND	ND	8.213
	22-Sep-2009	15:00	15.868	5.293	2.293	7.475	8.393	ND	ND	8.393
	26-May-2010	10:30	15.868	5.293	2.293	8.580	7.288	ND	ND	7.288
	28-Jul-2010		15.868	5.293	2.293	7.990	7.878	ND	ND	7.878
	24-Aug-2010	14:36	15.868	5.293	2.293	7.990	7.878	ND	ND	7.878
	5-Nov-2010	11:24	15.868	5.293	2.293	7.970	7.898	ND	ND	7.898
	22-Dec-2010	13:32	15.868	5.293	2.293	8.196	7.672	ND	ND	7.672
	25-Feb-2011		15.868	5.293	2.293	8.660	7.208	ND	ND	7.208
	9-Jun-2011	14:44	15.868	5.293	2.293	8.935	6.933	ND	ND	6.933
	17-Jun-2011	8:43	15.868	5.293	2.293	8.910	6.958	ND	ND	6.958
MWG64	12-Dec-2006	16:03	19.416	7.726	4.726	10.680	8.736	ND	ND	8.736
<i>Regional</i>	12-Jan-2007	11:40	19.416	7.726	4.726	10.855	8.561	ND	ND	8.561
<i>Hanson</i>	12-Feb-2007	10:30	19.416	7.726	4.726	11.105	8.311	ND	ND	8.311
	19-Mar-2008	11:00	19.416	7.726	4.726	11.080	8.336	ND	ND	8.336
	12-May-2008	10:00	19.416	7.726	4.726	11.260	8.156	ND	ND	8.156
	24-Mar-2009	12:58	19.416	7.726	4.726	10.920	8.496	ND	ND	8.496
	24-Aug-2009	14:05	19.416	7.726	4.726	10.830	8.586	ND	ND	8.586
	23-Sep-2009	11:00	19.416	7.726	4.726	10.420	8.996	ND	ND	8.996
	31-May-2010	10:40	19.416	7.726	4.726	10.400	9.016	ND	ND	9.016
	17-Jun-2011	11:34	19.416	7.726	4.726	11.850	7.566	ND	ND	7.566
MWG65	12-Dec-2006	19:35	20.171	9.261	6.261	11.710	8.461	ND	ND	8.461
<i>Regional</i>	12-Jan-2007	08:55	20.171	9.261	6.261	11.890	8.281	ND	ND	8.281
<i>A&P Transport</i>	12-Feb-2007	10:00	20.171	9.261	6.261	12.135	8.036	ND	ND	8.036
	18-Mar-2008	11:00	20.171	9.261	6.261	12.150	8.021	ND	ND	8.021
	12-May-2008	10:37	20.171	9.261	6.261	12.270	7.901	ND	ND	7.901
	30-Mar-2009	14:30	20.171	9.261	6.261	12.020	8.151	ND	ND	8.151
	24-Aug-2009	10:43	20.171	9.261	6.261	11.775	8.396	ND	ND	8.396
	26-May-2010	12:39	20.171	9.261	6.261	12.390	7.781	ND	ND	7.781
	17-Jun-2011	11:14	20.171	9.261	6.261	12.830	7.341	ND	ND	7.341
MWG66	3-Apr-2008	11:00	8.911	2.911	-0.089	2.810	6.101	ND	ND	6.101
<i>Alluvium</i>	12-May-2008	13:53	8.911	2.911	-0.089	2.440	6.471	ND	ND	6.471
<i>Damplands</i>	14-Oct-2008	11:26	8.911	2.911	-0.089	1.590	7.321	ND	ND	7.321
	24-Mar-2009	14:48	8.911	2.911	-0.089	2.800	6.111	ND	ND	6.111
	24-Aug-2009	16:03	8.911	2.911	-0.089	1.160	7.751	ND	ND	7.751
	2-Jun-2010	11:26	8.911	2.911	-0.089	2.705	6.206	ND	ND	6.206
	22-Dec-2010	12:44	8.911	2.911	-0.089	2.553	6.358	ND	ND	6.358
	25-Feb-2011	11:10	9.911	2.911	-0.089	3.265	6.646	ND	ND	6.646
	9-Jun-2011	14:55	9.911	2.911	-0.089	3.160	6.751	ND	ND	6.751
	17-Jun-2011	8:21	10.911	2.911	-0.089	2.980	7.931	ND	ND	7.931
MWG67	3-Apr-2008	11:00	9.016	2.516	-0.484	2.970	6.046	ND	ND	6.046
<i>Alluvium</i>	12-May-2008	14:11	9.016	2.516	-0.484	2.560	6.456	ND	ND	6.456
<i>Damplands</i>	14-Oct-2008	10:08	9.016	2.516	-0.484	1.670	7.346	ND	ND	7.346
	24-Mar-2009	16:45	9.016	2.516	-0.484	2.976	6.040	ND	ND	6.040
	24-Aug-2009	16:15	9.016	2.516	-0.484	1.200	7.816	ND	ND	7.816
	22-Dec-2010	13:05	9.016	2.516	-0.484	2.750	6.266	ND	ND	6.266
MWG68	3-Apr-2008	11:00	8.64	4.140	1.140	2.625	6.015	ND	ND	6.015
<i>Alluvium</i>	12-May-2008	13:48	8.64	4.140	1.140	2.240	6.400	ND	ND	6.400
	24-Mar-2009	14:44	8.64	4.140	1.140	2.161	6.479	ND	ND	6.479
	24-Aug-2009	15:50	8.64	4.140	1.140	0.970	7.670	ND	ND	7.670
	17-Sep-2009	13:40	8.64	4.140	1.140	1.040	7.600	ND	ND	7.600
	22-Dec-2010	12:46	8.64	4.140	1.140	2.408	6.232	ND	ND	6.232
	17-Jun-2011	8:26	8.64	4.140	1.140	2.835	5.805	ND	ND	5.805
MWG69	2-Jun-2010	8:37	8.64	4.140	1.140	2.565	6.075	ND	ND	6.075
<i>Base of Guildford</i>	25-Mar-2008	11:00	19.947	1.947	-1.053	12.240	7.707	ND	ND	7.707
	12-May-2008	11:17	19.947	1.947	-1.053	12.340	7.607	ND	ND	7.607
	24-Mar-2009	14:13	19.947	1.947	-1.053	12.250	7.697	ND	ND	7.697
	24-Aug-2009	14:55	19.947	1.947	-1.053	11.670	8.277	ND	ND	8.277
	24-May-2010	1:20	19.947	1.947	-1.053	12.495	7.452	ND	ND	7.452
	17-Jun-2011	9:20	19.947	1.947	-1.053	12.860	7.087	ND	ND	7.087
MWG70	25-Mar-2008	11:00	20.017	8.017	5.017	12.305	7.712	ND	ND	7.712
<i>Guildford (Regional)</i>	12-May-2008	11:16	20.017	8.017	5.017	12.400	7.617	ND	ND	7.617
<i>Stanley St (A&P Transport)</i>	13-Oct-2008	8:00	20.017	8.017	5.017	11.350	8.667	ND	ND	8.667
	24-Mar-2009	13:59	20.017	8.017	5.017	12.210	7.807	ND	ND	7.807
	24-Aug-2009	15:00	20.017	8.017	5.017	12.740	7.277	ND	ND	7.277
	24-May-2010	2:58	20.017	8.017	5.017	12.560	7.457	ND	ND	7.457
	17-Jun-2011	9:06	20.017	8.017	5.017	12.930	7.087	ND	ND	7.087
MWG71	27-Mar-2008	11:00	20.305	2.205	-0.795	12.400	7.905	ND	ND	7.905
<i>Base of Guildford</i>	12-May-2008	11:35	20.305	2.205	-0.795	12.550	7.755	ND	ND	7.755
	24-Mar-2009	13:37	20.305	2.205	-0.795	12.300	8.005	ND	ND	8.005
	24-Aug-2009	15:13	20.305	2.205	-0.795	11.975	8.330	ND	ND	8.330
MWG72	27-Mar-2008	11:00	20.299	8.299	5.299	12.400	7.899	ND	ND	7.899
<i>Guildford (Regional)</i>	12-May-2008	11:38	20.299	8.299	5.299	12.550	7.749	ND	ND	7.749
<i>A&P Transport</i>	13-Oct-2008	10:42	20.299	8.299	5.299	11.490	8.809	ND	ND	8.809
	24-Mar-2009	13:35	20.299	8.299	5.299	12.310	7.989	ND	ND	7.989
	24-Aug-2009	15:10	20.299	8.299	5.299	11.985	8.314	ND	ND	8.314
MWG73	3-Apr-2008	11:00	8.867	0.650	-0.850	1.570	7.297	ND	ND	7.297
<i>Base of Guildford</i>	12-May-2008	14:24	8.867	0.650	-0.850	1.710	7.157	ND	ND	7.157
<i>Damplands (Escarpment)</i>	14-Oct-2008	11:56	8.867	0.650	-0.850	0.740	8.127	ND	ND	8.127
	24-Mar-2009	15:15	8.867	0.650	-0.850	1.751	7.116	ND	ND	7.116
	24-Aug-2009	17:12	8.867	0.650	-0.850	0.750	8.117	ND	ND	8.117
	17-Sep-2009	9:45	8.867	0.650	-0.850	0.630	8.237	ND	ND	8.237

Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG74	3-Apr-2008	11:00	8.899	7.399	4.399	1.835	7.064	ND	ND	7.064
<i>Alluvium</i>	12-May-2008	14:26	8.899	7.399	4.399	1.660	7.239	ND	ND	7.239
<i>Damplands (Escarpment)</i>	14-Oct-2008	11:06	8.899	7.399	4.399	1.065	7.834	ND	ND	7.834
	24-Mar-2009	15:18	8.899	7.399	4.399	1.779	7.120	ND	ND	7.120
	24-Aug-2009	17:15	8.899	7.399	4.399	0.965	7.934	ND	ND	7.934
	17-Sep-2009	10:36	8.899	7.399	4.399	0.810	8.089	ND	ND	8.089
MWG75	3-Apr-2008	11:00	8.312	1.212	-0.288	1.030	7.282	ND	ND	7.282
<i>Base of Guildford</i>	12-May-2008	14:21	8.312	1.212	-0.288	1.000	7.312	ND	ND	7.312
<i>Damplands (Escarpment)</i>	14-Oct-2008	9:05	8.312	1.212	-0.288	0.000	8.312	ND	ND	8.312
	24-Mar-2009	15:33	8.312	1.212	-0.288	0.978	7.334	ND	ND	7.334
	24-Aug-2009	17:18	8.312	1.212	-0.288	0.130	8.182	ND	ND	8.182
	17-Sep-2009	11:30	8.312	1.212	-0.288	0.000	8.312	ND	ND	8.312
MWG76	3-Apr-2008	11:00	8.235	-2.365	-3.965	1.410	6.825	ND	ND	6.825
<i>Leederville</i>	12-May-2008	14:19	8.235	-2.365	-3.965	1.220	7.015	ND	ND	7.015
<i>Damplands (Escarpment)</i>	14-Oct-2008	10:10	8.235	-2.365	-3.965	0.200	8.035	ND	ND	8.035
	24-Mar-2009	15:35	8.235	-2.365	-3.965	1.355	6.880	ND	ND	6.880
	24-Aug-2009	17:21	8.235	-2.365	-3.965	0.170	8.065	ND	ND	8.065
	17-Sep-2009	12:20	8.235	-2.365	-3.965	0.200	8.035	ND	ND	8.035
MWG77	3-Apr-2008	11:00	8.367	2.467	0.967	2.170	6.197	ND	ND	6.197
<i>Alluvium</i>	12-May-2008	14:16	8.367	2.467	0.967	1.800	6.567	ND	ND	6.567
<i>Damplands</i>	14-Oct-2008	8:50	8.367	2.467	0.967	0.930	7.305	ND	ND	7.305
	24-Mar-2009	16:18	8.367	2.467	0.967	2.182	6.205	ND	ND	6.205
	24-Aug-2009	16:29	8.367	2.467	0.967	0.515	7.852	ND	ND	7.852
	22-Dec-2010	13:10	8.367	2.467	0.967	1.581	6.806	ND	ND	6.806
	25-Feb-2011	13:14	8.367	2.467	0.967	2.280	6.107	ND	ND	6.107
	9-Jun-2011	14:50	8.367	2.467	0.967	2.180	6.207	ND	ND	6.207
MWG78	3-Apr-2008	11:00	9.218	1.718	0.218	1.940	7.278	ND	ND	7.278
<i>Base of Guildford</i>	12-May-2008	14:08	9.218	1.718	0.218	1.900	7.318	ND	ND	7.318
<i>Damplands (Escarpment)</i>	14-Oct-2008	13:55	9.218	1.718	0.218	1.900	7.318	ND	ND	7.318
	24-Mar-2009	15:55	9.218	1.718	0.218	1.874	7.344	ND	ND	7.344
	24-Aug-2009	17:28	9.218	1.718	0.218	1.025	8.193	ND	ND	8.193
	17-Sep-2009	11:00	9.218	1.718	0.218	0.880	8.338	ND	ND	8.338
MWG79	3-Apr-2008	11:00	9.318	7.318	4.318	1.970	7.348	ND	ND	7.348
<i>Alluvium</i>	12-May-2008	14:10	9.318	7.318	4.318	1.990	7.328	ND	ND	7.328
<i>Damplands (Escarpment)</i>	14-Oct-2008	12:55	9.318	7.318	4.318	1.020	8.298	ND	ND	8.298
	24-Mar-2009	15:53	9.318	7.318	4.318	1.910	7.408	ND	ND	7.408
	24-Aug-2009	17:25	9.318	7.318	4.318	1.145	8.173	ND	ND	8.173
	17-Sep-2009	12:06	9.318	7.318	4.318	0.990	8.328	ND	ND	8.328
MWG80	26-Mar-2008	11:00	20.169	1.169	-0.331	12.040	8.129	ND	ND	8.129
<i>Base of Guildford</i>	12-May-2008	10:44	20.169	1.169	-0.331	12.240	7.929	ND	ND	7.929
<i>Oliver St</i>	12-Oct-2008	7:30	20.169	1.169	-0.331	11.130	9.039	ND	ND	9.039
	24-Mar-2009	17:02	20.169	1.169	-0.331	11.945	8.224	ND	ND	8.224
	24-Aug-2009	13:28	20.169	1.169	-0.331	11.770	8.399	ND	ND	8.399
MWG81	26-Mar-2008	11:00	20.164	8.664	5.664	12.020	8.144	ND	ND	8.144
<i>Guildford (Regional)</i>	12-May-2008	10:47	20.164	8.664	5.664	12.220	7.944	ND	ND	7.944
<i>Oliver St</i>	12-Oct-2008	10:00	20.164	8.664	5.664	11.100	9.064	ND	ND	9.064
	24-Mar-2009	16:53	20.164	8.664	5.664	11.910	8.254	ND	ND	8.254
	24-Aug-2009	13:20	20.164	8.664	5.664	11.755	8.409	ND	ND	8.409
MWG82	25-Mar-2008	11:00	20.055	8.055	5.055	12.285	7.770	ND	ND	7.770
<i>Guildford (Regional)</i>	12-May-2008	11:06	20.055	8.055	5.055	11.400	8.655	ND	ND	8.655
	24-Mar-2009	14:25	20.055	8.055	5.055	12.120	7.935	ND	ND	7.935
	24-Aug-2009	14:30	20.055	8.055	5.055	11.795	8.260	ND	ND	8.260
	17-Jun-2011	9:14	20.055	8.055	5.055	12.940	7.115	ND	ND	7.115
MWG83	27-Mar-2008	11:00	20.303	2.303	-0.697	12.280	8.023	ND	ND	8.023
<i>Base of Guildford</i>	12-May-2008	13:09	20.303	2.303	-0.697	12.440	7.863	ND	ND	7.863
<i>Lot 2</i>	12-Oct-2008	12:00	20.303	2.303	-0.697	11.340	8.963	ND	ND	8.963
	24-Mar-2009	10:43	20.303	2.303	-0.697	12.175	8.128	ND	ND	8.128
	24-Aug-2009	12:06	20.303	2.303	-0.697	11.920	8.383	ND	ND	8.383
MWG84	27-Mar-2008	11:00	20.28	8.380	5.380	12.240	8.040	ND	ND	8.040
<i>Guildford (Regional)</i>	12-May-2008	13:10	20.28	8.380	5.380	12.400	7.880	ND	ND	7.880
<i>Lot 2</i>	12-Oct-2008	14:22	20.28	8.380	5.380	11.300	8.980	ND	ND	8.980
	24-Mar-2009	10:46	20.28	8.380	5.380	12.140	8.140	ND	ND	8.140
	24-Aug-2009	12:08	20.28	8.380	5.380	11.895	8.385	ND	ND	8.385
	22-Dec-2010		20.28	8.380	5.380	12.179	8.101	ND	ND	8.101
MWG85	27-Mar-2008	11:00	20.555	7.555	4.555	12.510	8.045	ND	ND	8.045
<i>Guildford (Regional)</i>	12-May-2008	11:01	20.555	7.555	4.555	12.670	7.885	ND	ND	7.885
	24-Mar-2009	16:15	20.555	7.555	4.555	12.400	8.155	ND	ND	8.155
MWG86	26-Mar-2008	11:00	20.079	8.079	5.079	11.900	8.179	ND	ND	8.179
<i>Guildford (Regional)</i>	12-May-2008	10:38	20.079	8.079	5.079	12.110	7.969	ND	ND	7.969
	24-Mar-2009	12:29	20.079	8.079	5.079	11.778	8.301	ND	ND	8.301
	24-Aug-2009	13:11	20.079	8.079	5.079	11.670	8.409	ND	ND	8.409
	14-Jan-2009	8:30	8.473	6.470	5.470	1.100	7.373	ND	ND	7.373
MWG87A	24-Mar-2009	15:00	8.473	6.470	5.470	1.595	6.878	ND	ND	6.878
	6-Apr-2009	9:47	8.473	6.470	5.470	1.620	6.853	ND	ND	6.853
	21-Sep-2009	13:05	8.473	6.470	5.470	0.445	8.028	ND	ND	8.028
Decommissioned										
MWG87B	14-Jan-2009	9:50	8.47	4.470	3.470	0.670	7.800	ND	ND	7.800
	24-Mar-2009	15:05	8.47	4.470	3.470	1.208	7.262	ND	ND	7.262
	6-Apr-2009	9:48	8.47	4.470	3.470	1.230	7.240	ND	ND	7.240
	21-Sep-2009	13:07	8.47	4.470	3.470	0.145	8.325	ND	ND	8.325
Decommissioned										
MWG87C	14-Jan-2009	10:45	8.47	2.470	1.470	0.485	7.985	ND	ND	7.985
	24-Mar-2009	15:08	8.47	2.470	1.470	1.065	7.405	ND	ND	7.405
	6-Apr-2009	9:49	8.47	2.470	1.470	1.162	7.308	ND	ND	7.308
	21-Sep-2009	13:08	8.47	2.470	1.470	0.110	8.360	ND	ND	8.360
Decommissioned										
MWG87D	14-Jan-2009	11:25	8.476	0.470	-0.530	0.504	7.972	ND	ND	7.972
	21-Mar-2009	15:11	8.476	0.470	-0.530	1.079	7.397	ND	ND	7.397
	6-Apr-2009	9:50	8.476	0.470	-0.530	1.175	7.301	ND	ND	7.301
	21-Sep-2009	13:08	8.476	0.470	-0.530	0.100	8.376	ND	ND	8.376
Decommissioned										
MWG88A	14-Jan-2009	8:34	8.917	6.340	5.340	1.220	7.697	ND	ND	7.697
	24-Mar-2009	15:21	8.917	6.340	5.340	1.855	7.062	ND	ND	7.062
	6-Apr-2009	9:53	8.917	6.340	5.340	1.830	7.087	ND	ND	7.087
	21-Sep-2009	13:10	8.917	6.340	5.340	0.710	8.207	ND	ND	8.207

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
Decommissioned										
MWG88B	14-Jan-2009	8:35	8.93	4.340	3.340	1.000	7.930	ND	ND	7.930
	24-Mar-2009	15:24	8.93	4.340	3.340	1.584	7.346	ND	ND	7.346
	6-Apr-2009	9:54	8.93	4.340	3.340	1.675	7.255	ND	ND	7.255
	21-Sep-2009	13:11	8.93	4.340	3.340	0.585	8.345	ND	ND	8.345
Decommissioned										
MWG88C	14-Jan-2009	8:37	8.932	2.340	1.340	1.000	7.932	ND	ND	7.932
	24-Mar-2009	15:26	8.932	2.340	1.340	1.579	7.353	ND	ND	7.353
	6-Apr-2009	9:55	8.932	2.340	1.340	1.672	7.260	ND	ND	7.260
	21-Sep-2009	13:12	8.932	2.340	1.340	0.575	8.357	ND	ND	8.357
Decommissioned										
MWG88D	14-Jan-2009	8:39	8.909	0.340	-0.660	0.990	7.919	ND	ND	7.919
	24-Mar-2009	15:29	8.909	0.340	-0.660	1.581	7.328	ND	ND	7.328
	6-Apr-2009	9:56	8.909	0.340	-0.660	1.680	7.229	ND	ND	7.229
	21-Sep-2009	13:13	8.909	0.340	-0.660	0.565	8.344	ND	ND	8.344
Decommissioned										
MWG89A	14-Jan-2009	12:35	8.875	7.230	6.230	0.945	7.930	ND	ND	7.930
	24-Mar-2009	15:38	8.875	7.230	6.230	1.539	7.336	ND	ND	7.336
	6-Apr-2009	9:03	8.875	7.230	6.230	1.595	7.280	ND	ND	7.280
	21-Sep-2009	13:15	8.875	7.230	6.230	0.535	8.340	ND	ND	8.340
Decommissioned										
MWG89B	14-Jan-2009	12:37	8.881	5.230	4.230	0.920	7.961	ND	ND	7.961
	24-Mar-2009	15:41	8.881	5.230	4.230	1.525	7.356	ND	ND	7.356
	6-Apr-2009	9:04	8.881	5.230	4.230	1.600	7.281	ND	ND	7.281
	21-Sep-2009	13:15	8.881	5.230	4.230	0.520	8.361	ND	ND	8.361
Decommissioned										
MWG89C	14-Jan-2009	12:38	8.88	3.230	2.230	0.925	7.955	ND	ND	7.955
	24-Mar-2009	15:46	8.88	3.230	2.230	1.550	7.330	ND	ND	7.330
	6-Apr-2009	9:05	8.88	3.230	2.230	1.645	7.235	ND	ND	7.235
	21-Sep-2009	13:16	8.88	3.230	2.230	0.525	8.355	ND	ND	8.355
Decommissioned										
MWG89D	14-Jan-2009	12:41	8.879	1.230	0.230	0.980	7.899	ND	ND	7.899
	24-Mar-2009	15:50	8.879	1.230	0.230	1.570	7.309	ND	ND	7.309
	6-Apr-2009	9:07	8.879	1.230	0.230	1.667	7.212	ND	ND	7.212
	21-Sep-2009	13:16	8.879	1.230	0.230	0.540	8.339	ND	ND	8.339
Decommissioned										
MWG90A	14-Jan-2009	12:15	9.205	7.640	6.640	1.685	7.520	ND	ND	7.520
	24-Mar-2009	15:59	9.205	7.640	6.640	1.274	7.931	ND	ND	7.931
	6-Apr-2009	9:10	9.205	7.640	6.640	2.330	6.875	ND	ND	6.875
	21-Sep-2009	13:17	9.205	7.640	6.640	0.765	8.440	ND	ND	8.440
	24-Aug-2010	14:38	9.205	7.640	6.640	1.360	7.845	ND	ND	7.845
	5-Nov-2010	11:08	9.205	7.640	6.640	1.330	7.875	ND	ND	7.875
	22-Dec-2010	12:16	9.205	7.640	6.640	1.593	7.612	ND	ND	7.612
	24-Feb-2011	8:30	9.205	7.640	6.640	2.090	7.115	ND	ND	7.115
	9-Jun-2011	14:33	9.205	7.640	6.640	2.270	6.935	ND	ND	6.935
	14-Jan-2009	1:30	9.202	5.640	4.640	1.090	8.112	ND	ND	8.112
MWG90B	24-Mar-2009	16:04	9.202	5.640	4.640	1.685	7.517	ND	ND	7.517
	6-Apr-2009	9:12	9.202	5.640	4.640	1.780	7.422	ND	ND	7.422
	21-Sep-2009	13:17	9.202	5.640	4.640	0.755	8.447	ND	ND	8.447
	24-Aug-2010	14:39	9.202	5.640	4.640	1.290	7.912	ND	ND	7.912
	5-Nov-2010	11:10	9.202	5.640	4.640	1.270	7.932	ND	ND	7.932
	22-Dec-2010	12:19	9.202	5.640	4.640	1.501	7.701	ND	ND	7.701
	24-Feb-2011	8:30	9.202	5.640	4.640	1.970	7.232	ND	ND	7.232
	9-Jun-2011	14:34	9.202	5.640	4.640	2.230	6.972	ND	ND	6.972
	14-Jan-2009	2:20	9.204	3.640	2.640	1.110	8.094	ND	ND	8.094
	24-Mar-2009	16:07	9.204	3.640	2.640	1.701	7.503	ND	ND	7.503
MWG90C	6-Apr-2009	9:13	9.204	3.640	2.640	1.799	7.405	ND	ND	7.405
	21-Sep-2009	13:18	9.204	3.640	2.640	0.760	8.444	ND	ND	8.444
	24-Aug-2010	14:40	9.204	3.640	2.640	1.300	7.904	ND	ND	7.904
	5-Nov-2010	11:12	9.204	3.640	2.640	1.285	7.919	ND	ND	7.919
	22-Dec-2010	12:23	9.204	3.640	2.640	1.522	7.682	ND	ND	7.682
	24-Feb-2011	8:35	9.204	3.640	2.640	1.990	7.214	ND	ND	7.214
	9-Jun-2011	14:35	9.204	3.640	2.640	2.250	6.954	ND	ND	6.954
	14-Jan-2009	3:05	9.208	1.640	0.640	1.120	8.088	ND	ND	8.088
	24-Mar-2009	16:10	9.208	1.640	0.640	1.710	7.498	ND	ND	7.498
	6-Apr-2009	9:14	9.208	1.640	0.640	1.811	7.397	ND	ND	7.397
MWG90D	21-Sep-2009	13:18	9.208	1.640	0.640	0.770	8.438	ND	ND	8.438
	24-Aug-2010	14:41	9.208	1.640	0.640	1.305	7.903	ND	ND	7.903
	5-Nov-2010	11:14	9.208	1.640	0.640	1.290	7.918	ND	ND	7.918
	22-Dec-2010	12:24	9.208	1.640	0.640	1.532	7.676	ND	ND	7.676
	24-Feb-2011	8:35	9.208	1.640	0.640	2.000	7.208	ND	ND	7.208
	9-Jun-2011	14:36	9.208	1.640	0.640	2.260	6.948	ND	ND	6.948
	22-Sep-2009	12:00	19.535	10.335	6.335	11.045	8.490	ND	ND	8.490
	27-May-2010	8:15	19.535	10.335	6.335	12.130	7.405	ND	ND	7.405
	22-Dec-2010	7:40	19.535	10.335	6.335	11.766	7.769	ND	ND	7.769
	17-Jun-2011	9:50	19.535	10.335	6.335	12.490	7.045	ND	ND	7.045
MWG91B	22-Sep-2009	10:11	19.52	6.620	3.620	11.025	8.495	ND	ND	8.495
	27-May-2010	12:09	19.52	6.620	3.620	12.090	7.430	ND	ND	7.430
	22-Dec-2010	7:34	19.52	6.620	3.620	11.753	7.767	ND	ND	7.767
	17-Jun-2011	9:49	19.52	6.620	3.620	12.480	7.040	ND	ND	7.040
MWG91C	22-Sep-2009	8:51	19.431	3.231	0.231	10.955	8.476	ND	ND	8.476
	27-May-2010	12:20	19.431	3.231	0.231	12.040	7.391	ND	ND	7.391
	22-Dec-2010	7:44	19.431	3.231	0.231	11.680	7.751	ND	ND	7.751
	17-Jun-2011	9:48	19.431	3.231	0.231	12.400	7.031	ND	ND	7.031
MWG92	21-Sep-2009	8:40	8.873	-1.627	-3.627	0.760	8.113	ND	ND	8.113
	21-Sep-2009	8:30	9.424	-1.776	-3.776	1.130	8.294	ND	ND	8.294
MWG100A	28-Jul-2010	12:50	9.679		5.559	1.970	7.709	ND	ND	7.709
	24-Aug-2010	13:30	9.679		5.559	1.795	7.884	ND	ND	7.884
Denitrification	5-Nov-2010	9:42	9.679		5.559	1.830	7.849	ND	ND	7.849
	22-Dec-2010	10:00	9.679		5.559	2.028	7.651	ND	ND	7.651
	17-Jan-2011		9.679		5.559	1.738	7.941	ND	ND	7.941
	24-Feb-2011	8:40	9.679		5.559	2.455	7.224	ND	ND	7.224
	9-Jun-2011	13:42	9.679		5.559	2.760	6.919	ND	ND	6.919
	28-Jul-2010	12:52	9.685		2.375	1.975	7.710	ND	ND	7.710
	24-Aug-2010	13:31	9.685		2.375	1.795	7.890	ND	ND	7.890
	5-Nov-2010	9:44	9.685		2.375	1.840	7.845	ND	ND	7.845
MWG100B	22-Dec-2010	10:02	9.685		2.375	2.030	7.655	ND	ND	7.655
	17-Jan-2011		9.685		2.375	1.840	7.845	ND	ND	7.845
	24-Feb-2011	8:40	9.685		2.375	2.470	7.215	ND	ND	7.215
	9-Jun-2011	13:43	9.685		2.375	2.770	6.915	ND	ND	6.915

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG100C	28-Jul-2010	12:53	9.681		-0.369	1.960	7.721	ND	ND	7.721
Denitrification	24-Aug-2010	13:32	9.681		-0.369	1.790	7.891	ND	ND	7.891
	5-Nov-2010	9:45	9.681		-0.369	1.835	7.846	ND	ND	7.846
	22-Dec-2010	10:04	9.681		-0.369	2.031	7.650	ND	ND	7.650
	17-Jan-2011		9.681		-0.369	2.029	7.652	ND	ND	7.652
	24-Feb-2011	8:40	9.681		-0.369	2.460	7.221	ND	ND	7.221
	9-Jun-2011	13:44	9.681		-0.369	2.760	6.921	ND	ND	6.921
MWG101A	28-Jul-2010	13:37	9.483		5.453	1.780	7.703	ND	ND	7.703
Denitrification	24-Aug-2010	13:55	9.483		5.453	1.595	7.888	ND	ND	7.888
	5-Nov-2010	10:21	9.483		5.453	1.620	7.863	ND	ND	7.863
	22-Dec-2010	12:33	9.483		5.453	1.766	7.717	ND	ND	7.717
	17-Jan-2011	15:22	9.483		5.453	1.985	7.498	ND	ND	7.498
	24-Feb-2011	7:50	9.483		5.453	2.260	7.223	ND	ND	7.223
	9-Jun-2011	14:04	9.483		5.453	2.545	6.938	ND	ND	6.938
MWG101B	28-Jul-2010	13:39	9.480		2.380	1.765	7.715	ND	ND	7.715
Denitrification	24-Aug-2010	13:56	9.480		2.380	1.590	7.890	ND	ND	7.890
	5-Nov-2010	10:24	9.480		2.380	1.620	7.860	ND	ND	7.860
	22-Dec-2010	12:35	9.480		2.380	1.818	7.662	ND	ND	7.662
	17-Jan-2011	15:59	9.480		2.380	1.986	7.494	ND	ND	7.494
	21-Jan-2011		9.480		2.380	2.020	7.460	ND	ND	7.460
	24-Feb-2011	7:50	9.480		2.380	2.260	7.220	ND	ND	7.220
	9-Jun-2011	14:05	9.480		2.380	2.540	6.940			6.940
MWG101C	28-Jul-2010	13:40	9.488		-0.627	1.775	7.713	ND	ND	7.713
Denitrification	24-Aug-2010	13:57	9.488		-0.627	1.585	7.903	ND	ND	7.903
	5-Nov-2010	10:26	9.488		-0.627	1.615	7.873	ND	ND	7.873
	22-Dec-2010	12:38	9.488		-0.627	1.812	7.676	ND	ND	7.676
	17-Jan-2011	16:45	9.488		-0.627	1.975	7.513	ND	ND	7.513
	21-Jan-2011		9.488		-0.627	2.030	7.458	ND	ND	7.458
	24-Feb-2011	7:50	9.488		-0.627	2.260	7.228	ND	ND	7.228
	9-Jun-2011	14:05	9.488		-0.627	2.545	6.943	ND	ND	6.943
MWG102A	28-Jul-2010	11:42	9.431		5.401	1.730	7.701	ND	ND	7.701
Denitrification	24-Aug-2010	14:17	9.431		5.401	1.530	7.901	ND	ND	7.901
	5-Nov-2010	10:53	9.431		5.401	1.550	7.881	ND	ND	7.881
	22-Dec-2010	11:32	9.431		5.401	1.628	7.803	ND	ND	7.803
	17-Jan-2011		9.431		5.401	1.935	7.496	ND	ND	7.496
	21-Jan-2011		9.431		5.401	1.960	7.471	ND	ND	7.471
	24-Feb-2011	8:20	9.431		5.401	2.200	7.231	ND	ND	7.231
	9-Jun-2011	14:19	9.431		5.401	2.480	6.951			6.951
MWG102B	28-Jul-2010	11:43	9.431		2.391	1.740	7.691	ND	ND	7.691
Denitrification	24-Aug-2010	14:18	9.431		2.391	1.540	7.891	ND	ND	7.891
	5-Nov-2010	10:54	9.431		2.391	1.550	7.881	ND	ND	7.881
	22-Dec-2010	11:36	9.431		2.391	1.768	7.663	ND	ND	7.663
	17-Jan-2011		9.431		2.391	1.951	7.480	ND	ND	7.480
	24-Feb-2011	8:20	9.431		2.391	2.210	7.221	ND	ND	7.221
	9-Jun-2011	14:20	9.431		2.391	2.485	6.946	ND	ND	6.946
MWG102C	28-Jul-2010	11:44	9.429		-0.691	1.760	7.669	ND	ND	7.669
Denitrification	24-Aug-2010	14:19	9.429		-0.691	1.570	7.859	ND	ND	7.859
	5-Nov-2010	10:56	9.429		-0.691	1.575	7.854	ND	ND	7.854
	22-Dec-2010		9.429		-0.691	1.778	7.651	ND	ND	7.651
	17-Jan-2011		9.429		-0.691	1.963	7.466	ND	ND	7.466
	24-Feb-2011	8:20	9.429		-0.691	2.270	7.159	ND	ND	7.159
	9-Jun-2011	14:21	9.429		-0.691	2.520	6.909	ND	ND	6.909
MWG103A	28-Jul-2010	12:13	9.024		5.654	1.650	7.374	ND	ND	7.374
ZVI	24-Aug-2010	13:25	9.024		5.654	1.445	7.579	ND	ND	7.579
	5-Nov-2010	9:37	9.024		5.654	1.595	7.429	ND	ND	7.429
	22-Dec-2010	10:09	9.024		5.654	1.870	7.154	ND	ND	7.154
	17-Jan-2011	9:45	9.024		5.654	2.122	6.902	ND	ND	6.902
	24-Feb-2011	8:40	9.024		5.654	2.360	6.664	ND	ND	6.664
	9-Jun-2011	13:47	9.024		5.654	2.470	6.554	ND	ND	6.554
MWG103B	28-Jul-2010	12:14	9.027		2.392	1.650	7.377	ND	ND	7.377
ZVI	24-Aug-2010	13:26	9.027		2.392	1.445	7.582	ND	ND	7.582
	5-Nov-2010	9:38	9.027		2.392	1.590	7.437	ND	ND	7.437
	22-Dec-2010	10:11	9.027		2.392	1.865	7.162	ND	ND	7.162
	17-Jan-2011	10:30	9.027		2.392	2.166	6.861	ND	ND	6.861
	24-Feb-2011	8:40	9.027		2.392	2.360	6.667	ND	ND	6.667
	9-Jun-2011	13:47	9.027		2.392	2.470	6.557	ND	ND	6.557
MWG103C	28-Jul-2010	12:15	9.024		-0.306	1.645	7.379	ND	ND	7.379
ZVI	24-Aug-2010	13:27	9.024		-0.306	1.445	7.579	ND	ND	7.579
	5-Nov-2010	9:40	9.024		-0.306	1.585	7.439	ND	ND	7.439
	22-Dec-2010	10:13	9.024		-0.306	1.860	7.164	ND	ND	7.164
	17-Jan-2011	11:14	9.024		-0.306	2.066	6.958	ND	ND	6.958
	24-Feb-2011	8:40	9.024		-0.306	2.360	6.664	ND	ND	6.664
	9-Jun-2011	13:48	9.024		-0.306	2.470	6.554	ND	ND	6.554
MWG104A	28-Jul-2010	13:22	8.964		5.374	1.570	7.394	ND	ND	7.394
ZVI	24-Aug-2010	13:44	8.964		5.374	1.380	7.584	ND	ND	7.584
	5-Nov-2010	10:01	8.964		5.374	1.530	7.434	ND	ND	7.434
	22-Dec-2010	9:03	8.964		5.374	1.830	7.134	ND	ND	7.134
	17-Jan-2011	10:48	8.964		5.374	2.065	6.899	ND	ND	6.899
	24-Feb-2011	7:40	8.964		5.374	2.345	6.619	ND	ND	6.619
	9-Jun-2011	13:59	8.964		5.374	2.420	6.544	ND	ND	6.544
MWG104B	28-Jul-2010	13:24	8.967		2.332	1.580	7.387	ND	ND	7.387
ZVI	24-Aug-2010	13:45	8.967		2.332	1.385	7.582	ND	ND	7.582
	5-Nov-2010	10:03	8.967		2.332	1.535	7.432	ND	ND	7.432
	22-Dec-2010	9:05	8.967		2.332	1.828	7.139	ND	ND	7.139
	17-Jan-2011	12:30	8.967		2.332	2.066	6.901	ND	ND	6.901
	21-Jan-2011		8.967		2.332	2.100	6.867	ND	ND	6.867
	24-Feb-2011	7:40	8.967		2.332	2.350	6.617	ND	ND	6.617
	9-Jun-2011	14:00	8.967		2.332	2.435	6.532	ND	ND	6.532
MWG104C	28-Jul-2010	13:25	8.967		-0.673	1.585	7.382	ND	ND	7.382
ZVI	24-Aug-2010	13:46	8.967		-0.673	1.385	7.582	ND	ND	7.582
	5-Nov-2010	10:05	8.967		-0.673	1.530	7.437	ND	ND	7.437
	22-Dec-2010	9:07	8.967		-0.673	1.823	7.144	ND	ND	7.144
	17-Jan-2011	12:14	8.967		-0.673	2.056	6.911	ND	ND	6.911
	21-Jan-2011		8.967		-0.673	2.090	6.877	ND	ND	6.877
	24-Feb-2011	7:40	8.967		-0.673	2.350	6.617	ND	ND	6.617
	9-Jun-2011	14:01	8.967		-0.673	2.435	6.532	ND	ND	6.532

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG105A ZVI	28-Jul-2010	11:00	9.034		5.514	1.590	7.444	ND	ND	7.444
	24-Aug-2010	14:13	9.034		5.514	1.380	7.654	ND	ND	7.654
	5-Nov-2010	10:49	9.034		5.514	1.530	7.504	ND	ND	7.504
	22-Dec-2010	11:00	9.034		5.514	1.828	7.206	ND	ND	7.206
	17-Jan-2011	15:53	9.034		5.514	2.056	6.978	ND	ND	6.978
	24-Feb-2011	8:15	9.034		5.514	2.360	6.674	ND	ND	6.674
MWG105B ZVI	9-Jun-2011	14:15	9.034		5.514	2.470	6.564	ND	ND	6.564
	28-Jul-2010	11:00	9.038		2.458	1.580	7.458	ND	ND	7.458
	24-Aug-2010	14:14	9.038		2.458	1.385	7.653	ND	ND	7.653
	5-Nov-2010	10:50	9.038		2.458	1.535	7.503	ND	ND	7.503
	22-Dec-2010	11:04	9.038		2.458	1.832	7.206	ND	ND	7.206
	17-Jan-2011	16:23	9.038		2.458	2.071	6.967	ND	ND	6.967
MWG105C ZVI	24-Feb-2011	8:15	9.038		2.458	2.380	6.658	ND	ND	6.658
	9-Jun-2011	14:15	9.038		2.458	2.480	6.558	ND	ND	6.558
	28-Jul-2010	11:00	9.037		-0.583	1.600	7.437	ND	ND	7.437
	24-Aug-2010	14:15	9.037		-0.583	1.405	7.632	ND	ND	7.632
	5-Nov-2010	10:51	9.037		-0.583	1.570	7.467	ND	ND	7.467
	22-Dec-2010	11:07	9.037		-0.583	1.868	7.169	ND	ND	7.169
MWG106A	17-Jan-2011	16:53	9.037		-0.583	2.116	6.921	ND	ND	6.921
	24-Feb-2011	8:15	9.037		-0.583	2.400	6.637	ND	ND	6.637
	9-Jun-2011	14:16	9.037		-0.583	2.495	6.542	ND	ND	6.542
	28-Jul-2010	13:00	9.995		5.630	2.330	7.665	ND	ND	7.665
	24-Aug-2010	13:35	9.995		5.630	2.145	7.850	ND	ND	7.850
	5-Nov-2010	9:49	9.995		5.630	2.145	7.850	ND	ND	7.850
MWG106B	22-Dec-2010	9:53	9.995		5.630	2.385	7.610	ND	ND	7.610
	24-Feb-2011	8:32	9.995		5.630	2.830	7.165	ND	ND	7.165
	9-Jun-2011	13:40	9.995		5.630	3.100	6.895	ND	ND	6.895
	28-Jul-2010	13:02	9.996		2.376	2.335	7.661	ND	ND	7.661
	24-Aug-2010	13:36	9.996		2.376	2.150	7.846	ND	ND	7.846
	5-Nov-2010	9:51	9.996		2.376	2.150	7.846	ND	ND	7.846
MWG107A	22-Dec-2010	9:55	9.996		2.376	2.388	7.608	ND	ND	7.608
	24-Feb-2011	8:32	9.996		2.376	2.840	7.156	ND	ND	7.156
	9-Jun-2011	13:41	9.996		2.376	3.110	6.886	ND	ND	6.886
	28-Jul-2010	13:42	9.853		5.283	2.125	7.728	ND	ND	7.728
	24-Aug-2010	14:01	9.853		5.283	1.945	7.908	ND	ND	7.908
	5-Nov-2010	10:29	9.853		5.283	1.970	7.883	ND	ND	7.883
MWG107B	22-Dec-2010		9.853		5.283	2.191	7.662	ND	ND	7.662
	17-Jan-2011	12:00	9.853		5.283	2.365	7.488	ND	ND	7.488
	24-Feb-2011	7:55	9.853		5.283	2.640	7.213	ND	ND	7.213
	9-Jun-2011	14:06	9.853		5.283	2.940	6.913	ND	ND	6.913
	28-Jul-2010	13:44	9.863		2.243	2.185	7.678	ND	ND	7.678
	24-Aug-2010	14:02	9.863		2.243	1.995	7.868	ND	ND	7.868
MWG107C	5-Nov-2010	10:30	9.863		2.243	1.975	7.888	ND	ND	7.888
	22-Dec-2010		9.863		2.243	2.222	7.641	ND	ND	7.641
	17-Jan-2011	12:55	9.863		2.243	2.399	7.464	ND	ND	7.464
	21-Jan-2011		9.863		2.243	2.440	7.423	ND	ND	7.423
	24-Feb-2011	7:55	9.863		2.243	2.680	7.183	ND	ND	7.183
	9-Jun-2011	14:07	9.863		2.243	2.950	6.913	ND	ND	6.913
MWG107D	28-Jul-2010	13:45	9.871		-0.794	2.355	7.516	ND	ND	7.516
	24-Aug-2010	14:03	9.871		-0.794	2.180	7.711	ND	ND	7.711
	5-Nov-2010	10:31	9.871		-0.794	2.240	7.631	ND	ND	7.631
	22-Dec-2010		9.871		-0.794	2.519	7.352	ND	ND	7.352
	17-Jan-2011	14:30	9.871		-0.794	2.731	7.140	ND	ND	7.140
	21-Jan-2011		9.871		-0.794	2.750	7.121	ND	ND	7.121
MWG108A	24-Feb-2011	7:55	9.871		-0.794	2.980	6.891	ND	ND	6.891
	9-Jun-2011	14:08	9.871		-0.794	3.165	6.706	ND	ND	6.706
	28-Jul-2010	13:47	9.870		-4.395	2.470	7.400	ND	ND	7.400
	24-Aug-2010	14:04	9.870		-4.395	2.275	7.595	ND	ND	7.595
	5-Nov-2010	10:33	9.870		-4.395	2.425	7.445	ND	ND	7.445
	22-Dec-2010		9.870		-4.395	2.735	7.135	ND	ND	7.135
MWG108B	24-Feb-2011	7:55	9.870		-4.395	3.290	6.580	ND	ND	6.580
	9-Jun-2011	14:09	9.870		-4.395	3.400	6.470	ND	ND	6.470
	28-Jul-2010	13:51	10.006		5.481	2.320	7.686	ND	ND	7.686
	24-Aug-2010	14:21	10.006		5.481	2.120	7.886	ND	ND	7.886
	5-Nov-2010	10:57	10.006		5.481	2.105	7.901	ND	ND	7.901
	22-Dec-2010	11:43	10.006		5.481	2.337	7.669	ND	ND	7.669
MWG109A	24-Feb-2011	8:25	10.006		5.481	2.800	7.206	ND	ND	7.206
	9-Jun-2011	14:23	10.006		5.481	3.065	6.941	ND	ND	6.941
	28-Jul-2010	13:53	10.010		2.655	2.320	7.690	ND	ND	7.690
	24-Aug-2010	14:23	10.010		2.655	2.125	7.885	ND	ND	7.885
	5-Nov-2010	10:58	10.010		2.655	2.110	7.900	ND	ND	7.900
	22-Dec-2010	11:46	10.010		2.655	2.342	7.668	ND	ND	7.668
MWG109B	24-Feb-2011	8:25	10.010		2.655	2.810	7.200	ND	ND	7.200
	9-Jun-2011	14:24	10.010		2.655	3.070	6.940	ND	ND	6.940
	28-Jul-2010	8:32	9.030		5.450	1.795	7.235	ND	ND	7.235
	24-Aug-2010	13:20	9.030		5.450	1.695	7.335	ND	ND	7.335
	5-Nov-2010	9:28	9.030		5.450	2.400	6.630	ND	ND	6.630
	22-Dec-2010	8:55	9.030		5.450	2.930	6.100	ND	ND	6.100
MWG109C	17-Jan-2011		9.030		5.450	3.210	5.820	ND	ND	5.820
	24-Feb-2011	8:50	9.030		5.450	3.500	5.530	ND	ND	5.530
	9-Jun-2011	13:48	9.030		5.450	2.770	6.260	ND	ND	6.260
	28-Jul-2010	8:35	9.031		2.236	1.780	7.251	ND	ND	7.251
	24-Aug-2010	13:21	9.031		2.236	1.600	7.431	ND	ND	7.431
	5-Nov-2010	9:30	9.031		2.236	1.770	7.261	ND	ND	7.261
MWG109D	22-Dec-2010	5:57	9.031		2.236	2.048	6.983	ND	ND	6.983
	17-Jan-2011		9.031		2.236	2.335	6.696	ND	ND	6.696
	24-Feb-2011	8:50	9.031		2.236	2.620	6.411	ND	ND	6.411
	9-Jun-2011	13:48	9.031		2.236	2.660	6.371	ND	ND	6.371
	28-Jul-2010	8:35	9.031		-0.554	1.740	7.291	ND	ND	7.291
	24-Aug-2010	13:22	9.031		-0.554	1.535	7.496	ND	ND	7.496
MWG109E	5-Nov-2010	9:32	9.031		-0.554	1.710	7.321	ND	ND	7.321
	22-Dec-2010	8:58	9.031		-0.554	1.980	7.051	ND	ND	7.051
	17-Jan-2011		9.031		-0.554	2.177	6.854	ND	ND	6.854
	24-Feb-2011	8:50	9.031		-0.554	2.500	6.531	ND	ND	6.531
	9-Jun-2011	13:49	9.031		-0.554	2.770	6.261	ND	ND	6.261

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG109D	28-Jul-2010	8:35	9.031		-4.139	1.790	7.241	ND	ND	7.241
	24-Aug-2010	13:20	9.031		-4.139	1.595	7.436	ND	ND	7.436
	5-Nov-2010	9:33	9.031		-4.139	1.815	7.216	ND	ND	7.216
	22-Dec-2010	9:00	9.031		-4.139	2.160	6.871	ND	ND	6.871
	24-Feb-2011	8:50	9.031		-4.139	2.740	6.291	ND	ND	6.291
MWG110A	9-Jun-2011	13:49	9.031		-4.139	2.780	6.251	ND	ND	6.251
	28-Jul-2010	13:12	8.944		5.362	1.695	7.249	ND	ND	7.249
	24-Aug-2010	13:39	8.944		5.362	1.600	7.344	ND	ND	7.344
	5-Nov-2010	9:54	8.944		5.362	2.290	6.654	ND	ND	6.654
	22-Dec-2010		8.944		5.362	2.808	6.136	ND	ND	6.136
MWG110B	17-Jan-2011	8:50	8.944		5.362	3.185	5.759	ND	ND	5.759
	21-Jan-2011		8.944		5.362	3.250	5.694	ND	ND	5.694
	24-Feb-2011	7:30	8.944		5.362	3.485	5.459	ND	ND	5.459
	9-Jun-2011	13:56	8.944		5.362	2.655	6.289	ND	ND	6.289
	28-Jul-2010	13:13	8.947		2.332	1.700	7.247	ND	ND	7.247
MWG110C	24-Aug-2010	13:40	8.947		2.332	1.615	7.332	ND	ND	7.332
	5-Nov-2010	9:55	8.947		2.332	2.280	6.667	ND	ND	6.667
	22-Dec-2010		8.947		2.332	2.819	6.128	ND	ND	6.128
	17-Jan-2011	9:17	8.947		2.332	3.230	5.717	ND	ND	5.717
	24-Feb-2011	7:30	8.947		2.332	3.530	5.417	ND	ND	5.417
MWG110D	9-Jun-2011	13:57	8.947		2.332	2.695	6.252	ND	ND	6.252
	28-Jul-2010	13:15	8.947		-0.653	1.960	6.987	ND	ND	6.987
	24-Aug-2010	13:41	8.947		-0.653	1.765	7.182	ND	ND	7.182
	5-Nov-2010	9:57	8.947		-0.653	2.120	6.827	ND	ND	6.827
	22-Dec-2010		8.947		-0.653	2.493	6.454	ND	ND	6.454
MWG111A	17-Jan-2011	9:55	8.947		-0.653	2.825	6.122	ND	ND	6.122
	21-Jan-2011		8.947		-0.653	2.870	6.077	ND	ND	6.077
	24-Feb-2011	7:30	8.947		-0.653	3.180	5.767	ND	ND	5.767
	9-Jun-2011	13:57	8.947		-0.653	3.080				
	28-Jul-2010	13:17	8.947		-4.243	1.690	7.257	ND	ND	7.257
MWG111B	24-Aug-2010	13:42	8.947		-4.243	1.495	7.452	ND	ND	7.452
	5-Nov-2010	9:59	8.947		-4.243	1.715	7.232	ND	ND	7.232
	22-Dec-2010		8.947		-4.243	2.048	6.899	ND	ND	6.899
	24-Feb-2011	7:30	8.947		-4.243	2.650	6.297	ND	ND	6.297
	9-Jun-2011	13:58	8.947		-4.243	2.680	6.267			6.267
MWG111C	28-Jul-2010	10:27	8.900		5.290	1.680	7.220	ND	ND	7.220
	24-Aug-2010	14:07	8.900		5.290	1.555	7.345	ND	ND	7.345
	5-Nov-2010	10:40	8.900		5.290	2.210	6.690	ND	ND	6.690
	22-Dec-2010		8.900		5.290	2.576	6.324	ND	ND	6.324
	17-Jan-2011		8.900		5.290	2.889	6.011	ND	ND	6.011
MWG111D	24-Feb-2011	8:00	8.900		5.290	3.230	5.670	ND	ND	5.670
	9-Jun-2011	14:12	8.900		5.290	2.510	6.390	ND	ND	6.390
	28-Jul-2010	10:27	8.910		2.270	1.715	7.195	ND	ND	7.195
	24-Aug-2010	14:08	8.910		2.270	1.585	7.325	ND	ND	7.325
	5-Nov-2010	10:44	8.910		2.270	2.160	6.750	ND	ND	6.750
MWG111E	22-Dec-2010		8.910		2.270	2.639	6.271	ND	ND	6.271
	17-Jan-2011		8.910		2.270	2.952	5.958	ND	ND	5.958
	24-Feb-2011	8:00	8.910		2.270	3.280	5.630	ND	ND	5.630
	9-Jun-2011	14:13	8.910		2.270	2.690	6.220	ND	ND	6.220
	28-Jul-2010	10:30	8.902		-0.733	1.730	7.172	ND	ND	7.172
MWG112A	24-Aug-2010	14:09	8.902		-0.733	1.525	7.377	ND	ND	7.377
	5-Nov-2010	10:45	8.902		-0.733	1.780	7.122	ND	ND	7.122
	22-Dec-2010		8.902		-0.733	2.121	6.781	ND	ND	6.781
	17-Jan-2011		8.902		-0.733	2.423	6.479	ND	ND	6.479
	24-Feb-2011	8:00	8.902		-0.733	2.770	6.132	ND	ND	6.132
MWG112B	9-Jun-2011	14:13	8.902		-0.733	2.785	6.117	ND	ND	6.117
	28-Jul-2010	10:30	8.899		-4.281	1.570	7.329	ND	ND	7.329
	24-Aug-2010	14:10	8.899		-4.281	1.370	7.529	ND	ND	7.529
	5-Nov-2010	10:47	8.899		-4.281	1.570	7.329	ND	ND	7.329
	22-Dec-2010		8.899		-4.281	1.886	7.013	ND	ND	7.013
MWG112C	24-Feb-2011	8:00	8.899		-4.281	2.470	6.429	ND	ND	6.429
	9-Jun-2011	14:14	8.899		-4.281	2.535	6.364	ND	ND	6.364
	28-Jul-2010	13:26	9.061		5.501	1.365	7.696	ND	ND	7.696
	24-Aug-2010	13:48	9.061		5.501	1.200	7.862	ND	ND	7.862
	5-Nov-2010	10:16	9.061		5.501	1.215	7.846	ND	ND	7.846
MWG112D	22-Dec-2010	10:44	9.061		5.501	1.434	7.627	ND	ND	7.627
	17-Jan-2011	12:52	9.061		5.501	1.565	7.496	ND	ND	7.496
	24-Feb-2011	7:45	9.061		5.501	1.870	7.191	ND	ND	7.191
	9-Jun-2011	14:01	9.061		5.501	2.100	6.961	ND	ND	6.961
	28-Jul-2010	13:27	9.070		2.480	1.590	7.480	ND	ND	7.480
MWG112E	24-Aug-2010	13:49	9.070		2.480	1.410	7.660	ND	ND	7.660
	5-Nov-2010	10:15	9.070		2.480	1.505	7.565	ND	ND	7.565
	22-Dec-2010	10:48	9.070		2.480	1.779	7.291	ND	ND	7.291
	17-Jan-2011	14:23	9.070		2.480	1.995	7.075	ND	ND	7.075
	21-Jan-2011		9.070		2.480	2.100	6.970	ND	ND	6.970
MWG112F	24-Feb-2011	7:45	9.070		2.480	2.270	6.800	ND	ND	6.800
	9-Jun-2011	14:02	9.070		2.480	2.405	6.665	ND	ND	6.665
	28-Jul-2010	13:29	9.070		-0.005	1.580	7.490	ND	ND	7.490
	24-Aug-2010	13:50	9.070		-0.005	1.375	7.695	ND	ND	7.695
	5-Nov-2010	10:17	9.070		-0.005	1.445	7.625	ND	ND	7.625
MWG112G	22-Dec-2010	10:51	9.070		-0.005	1.713	7.357	ND	ND	7.357
	17-Jan-2011	15:07	9.070		-0.005	1.890	7.180	ND	ND	7.180
	21-Jan-2011		9.070		-0.005	1.970	7.100	ND	ND	7.100
	24-Feb-2011	7:45	9.070		-0.005	2.205	6.865	ND	ND	6.865
	9-Jun-2011	14:02	9.070		-0.005	2.370	6.700	ND	ND	6.700
MWG112H	28-Jul-2010	13:30	9.066		-4.214	1.730	7.336	ND	ND	7.336
	24-Aug-2010	13:51	9.066		-4.214	1.535	7.531	ND	ND	7.531
	5-Nov-2010	10:19	9.066		-4.214	1.715	7.351	ND	ND	7.351
	22-Dec-2010	10:53	9.066		-4.214	2.032	7.034	ND	ND	7.034
	24-Feb-2011	7:45	9.066		-4.214	2.610	6.456	ND	ND	6.456
MWG112I	9-Jun-2011	14:03	9.066		-4.214	2.690	6.376	ND	ND	6.376

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
MWG113	28-Jul-2010	8:17	8.731		4.396	1.510	7.221	ND	ND	7.221
	24-Aug-2010	13:16	8.731		4.396	1.405	7.326	ND	ND	7.326
	5-Nov-2010	9:13	8.731		4.396	2.120	6.611	ND	ND	6.611
	22-Dec-2010	9:41	8.731		4.396	2.798	5.933	ND	ND	5.933
	24-Feb-2011	9:00	8.731		4.396	3.690	5.041	ND	ND	5.041
	9-Jun-2011	13:37	8.731		4.396	2.750	5.981	ND	ND	5.981
MWG114	28-Jul-2010	8:15	9.242		4.152	1.550	7.692	ND	ND	7.692
	24-Aug-2010	13:12	9.242		4.152	1.360	7.882	ND	ND	7.882
	5-Nov-2010	9:21	9.242		4.152	1.415	7.827	ND	ND	7.827
	22-Dec-2010	9:44	9.242		4.152	1.601	7.641	ND	ND	7.641
	24-Feb-2011	9:00	9.242		4.152	2.030	7.212	ND	ND	7.212
	9-Jun-2011	13:38	9.242		4.152	2.350	6.892	ND	ND	6.892
MWG115	28-Jul-2010	8:20	11.019		5.319	3.390	7.629	ND	ND	7.629
	24-Aug-2010	13:09	11.019		5.319	3.200	7.819	ND	ND	7.819
	5-Nov-2010	9:24	11.019		5.319	3.205	7.814	ND	ND	7.814
	22-Dec-2010	9:47	11.019		5.319	3.448	7.571	ND	ND	7.571
	24-Feb-2011	9:00	11.019		5.319	3.900	7.119	ND	ND	7.119
	9-Jun-2011	13:39	11.019		5.319	4.160	6.859	ND	ND	6.859
MWG116	28-Jul-2010	10:00	8.622		4.182	1.520	7.102	ND	ND	7.102
	24-Aug-2010	14:34	8.622		4.182	1.270	7.352	ND	ND	7.352
	5-Nov-2010	10:06	8.622		4.182	1.830	6.792	ND	ND	6.792
	22-Dec-2010	0:28	8.622		4.182	2.254	6.368	ND	ND	6.368
	24-Feb-2011	8:30	8.622		4.182	2.990	5.632	ND	ND	5.632
	9-Jun-2011	14:30	8.622		4.182	2.200	6.422	ND	ND	6.422
MWG117	28-Jul-2010	9:15	9.200		4.365	1.890	7.310	ND	ND	7.310
	24-Aug-2010	14:29	9.200		4.365	1.675	7.525	ND	ND	7.525
	5-Nov-2010	11:04	9.200		4.365	2.065	7.135	ND	ND	7.135
	22-Dec-2010	12:08	9.200		4.365	2.289	6.911	ND	ND	6.911
	24-Feb-2011	8:30	9.200		4.365	2.630	6.570	ND	ND	6.570
	9-Jun-2011	14:39	9.200		4.365	2.590	6.610	ND	ND	6.610
MWG118	28-Jul-2010	10:10	10.256		5.256	2.670	7.586	ND	ND	7.586
	24-Aug-2010	14:27	10.256		5.256	2.365	7.891	ND	ND	7.891
	5-Nov-2010	11:02	10.256		5.256	2.345	7.911	ND	ND	7.911
	22-Dec-2010	12:14	10.256		5.256	2.581	7.675	ND	ND	7.675
	24-Feb-2011	8:30	10.256		5.256	3.040	7.216	ND	ND	7.216
	9-Jun-2011	14:29	10.256		5.256	3.320	6.936	ND	ND	6.936
MWG119A	9-Jun-2011	14:17	8.938			1.9	7.038	ND	ND	7.038
MWG119B	9-Jun-2011	14:18	8.974			2.195	6.779	ND	ND	6.779
MWG119C	9-Jun-2011	14:19	8.975			2.165	6.810	ND	ND	6.810
MWG120A	9-Jun-2011	13:44	9.128			2.52	6.608	ND	ND	6.608
MWG120B	9-Jun-2011	13:45	9.128			2.490	6.638	ND	ND	6.638
MWG120C	9-Jun-2011	13:46	9.130			2.530	6.600	ND	ND	6.600
MWG121A	9-Jun-2011		9.002							
MWG121B	14-Jun-2011		9.003			2.460	6.543	ND	ND	6.543
MWG121C	9-Jun-2011		9.000							
MWG122A	9-Jun-2011	13:50	8.961			2.39	6.571	ND	ND	6.571
MWG122B	9-Jun-2011	13:51	8.956			2.400	6.556	ND	ND	6.556
	14-Jun-2011		8.956			2.450	6.506	ND	ND	6.506
MWG122C	9-Jun-2011	13:52	8.955			2.450	6.505	ND	ND	6.505
MWG123A	9-Jun-2011	14:10	9.508			2.575	6.933	ND	ND	6.933
MWG123B	9-Jun-2011	14:11	9.509			2.565	6.944	ND	ND	6.944
WCB1	15-Oct-2002	NR	7.464	2.464	-2.536	0.290	7.174	ND	ND	7.174
	5-Mar-2003	NR	7.464	2.464	-2.536	0.410	7.054	ND	ND	7.054
Alluvium	14-Apr-2003	11:01	7.464	2.464	-2.536	1.200	6.264	ND	ND	6.264
	9-Dec-2003	12:36	7.464	2.464	-2.536	0.430	7.034	ND	ND	7.034
Damplands	9-Jan-2004	8:23	7.464	2.464	-2.536	0.610	6.854	ND	ND	6.854
	9-Feb-2004	10:16	7.464	2.464	-2.536	0.868	6.596	ND	ND	6.596
	8-Mar-2004	8:33	7.464	2.464	-2.536	1.135	6.329	ND	ND	6.329
	8-Apr-2004	8:03	7.464	2.464	-2.536	1.300	6.164	ND	ND	6.164
	10-May-2004	10:40	7.464	2.464	-2.536	1.359	6.105	ND	ND	6.105
	8-Jun-2004	10:45	7.464	2.464	-2.536	1.090	6.374	ND	ND	6.374
	7-Jul-2004	9:20	7.464	2.464	-2.536	0.890	6.574	ND	ND	6.574
	9-Aug-2004	8:57	7.464	2.464	-2.536	0.520	6.944	ND	ND	6.944
	14-Sep-2004	NM	7.464	2.464	-2.536	Under water	Under water	NM	NM	NA
	11-Oct-2004	NM	7.464	2.464	-2.536	Under water	Under water	NM	NM	NA
	11-Nov-2004	NM	7.464	2.464	-2.536	Under water	Under water	NM	NM	NA
	9-May-2005	15:50	7.464	2.464	-2.536	0.250	7.214	ND	ND	7.214
	8-Jun-2005	9:35	7.464	2.464	-2.536	0.785	6.679	ND	ND	6.679
	8-Jul-2005	8:42	7.464	2.464	-2.536	0.170	7.294	ND	ND	7.294
	19-Aug-2005	9:45	7.464	2.464	-2.536	Under water	Under water	ND	ND	NA
	16-Sep-2005	7:57	7.464	2.464	-2.536	Under water	Under water	ND	ND	NA
	12-Dec-2006	13:15	7.464	2.464	-2.536	0.755	6.709	ND	ND	6.709
	12-Jan-2007	07:10	7.464	2.464	-2.536	0.980	6.484	ND	ND	6.484
	12-Feb-2007	08:48	7.464	2.464	-2.536	1.260	6.204	ND	ND	6.204
	7-Apr-2008	11:00	7.464	2.464	-2.536	1.310	6.154	ND	ND	6.154
	12-May-2008	14:12	7.464	2.464	-2.536	1.200	6.264	ND	ND	6.264
WCB2	15-Oct-2002	NR	8.211	3.211	-1.789	0.800	7.411	ND	ND	7.411
	5-Mar-2003	NR	8.211	3.211	-1.789	1.140	7.071	ND	ND	7.071
Alluvium	14-Apr-2003	10:49	8.211	3.211	-1.789	1.596	6.615	ND	ND	6.615
	9-Dec-2003	12:27	8.211	3.211	-1.789	1.095	7.116	ND	ND	7.116
Damplands	9-Jan-2004	8:12	8.211	3.211	-1.789	1.261	6.950	ND	ND	6.950
	9-Feb-2004	10:07	8.211	3.211	-1.789	1.572	6.639	ND	ND	6.639
	8-Mar-2004	8:25	8.211	3.211	-1.789	1.790	6.421	ND	ND	6.421
	8-Apr-2004	7:50	8.211	3.211	-1.789	1.962	6.249	ND	ND	6.249
	10-May-2004	10:30	8.211	3.211	-1.789	1.880	6.331	ND	ND	6.331
	8-Jun-2004	10:21	8.211	3.211	-1.789	1.471	6.740	ND	ND	6.740
	7-Jul-2004	9:30	8.211	3.211	-1.789	1.050	7.161	ND	ND	7.161
	9-Aug-2004	8:49	8.211	3.211	-1.789	0.882	7.329	ND	ND	7.329
	14-Sep-2004	9:18	8.211	3.211	-1.789	0.663	7.548	ND	ND	7.548
	11-Oct-2004	8:38	8.211	3.211	-1.789	0.808	7.403	ND	ND	7.403
	11-Nov-2004	11:52	8.211	3.211	-1.789	0.930	7.281	ND	ND	7.281
	9-May-2005	10:33	8.211	3.211	-1.789	1.640	6.571	ND	ND	6.571
	8-Jun-2005	9:50	8.211	3.211	-1.789	1.050	7.161	ND	ND	7.161
	8-Jul-2005	8:55	8.211	3.211	-1.789	0.495	7.716	ND	ND	7.716
	19-Aug-2005	9:53	8.211	3.211	-1.789	0.255	7.956	ND	ND	7.956
	16-Sep-2005	8:01	8.211	3.211	-1.789	0.460	7.751	ND	ND	7.751
	12-Dec-2006	13:10	8.211	3.211	-1.789	1.393	6.819	ND	ND	6.819
	12-Jan-2007	07:06	8.211	3.211	-1.789	1.555	6.656	ND	ND	6.656
	12-Feb-2007	08:53	8.211	3.211	-1.789	1.880	6.331	ND	ND	6.331
	7-Apr-2008	11:00	8.211	3.211	-1.789	1.830	6.381	ND	ND	6.381
	12-May-2008	14:19	8.211	3.211	-1.789	1.670	6.541	ND	ND	6.541
	24-Mar-2009	14:22	8.211	3.211	-1.789	1.980	6.231	ND	ND	6.231
	24-Aug-2009	16:33	8.211	3.211	-1.789	0.330	7.881	ND	ND	7.881

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Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
WCB3	15-Oct-2002	NR	7.398	4.398	1.398	0.760	6.638	ND	ND	6.638
	5-Mar-2003	NR	7.398	4.398	1.398	0.220	7.178	ND	ND	7.178
Alluvium	14-Apr-2003	11:04	7.398	4.398	1.398	1.689	5.709	ND	ND	5.709
	9-Dec-2003	12:35	7.398	4.398	1.398	1.140	6.258	ND	ND	6.258
Damplands	9-Jan-2004	8:32	7.398	4.398	1.398	1.440	5.958	ND	ND	5.958
	9-Feb-2004	10:13	7.398	4.398	1.398	1.675	5.723	ND	ND	5.723
	8-Mar-2004	8:41	7.398	4.398	1.398	1.860	5.538	ND	ND	5.538
	8-Apr-2004	8:11	7.398	4.398	1.398	2.050	5.348	ND	ND	5.348
	10-May-2004	10:42	7.398	4.398	1.398	1.979	5.419	ND	ND	5.419
	8-Jun-2004	10:50	7.398	4.398	1.398	1.550	5.848	ND	ND	5.848
	7-Jul-2004	9:40	7.398	4.398	1.398	1.150	6.248	ND	ND	6.248
	9-Aug-2004	9:04	7.398	4.398	1.398	0.990	6.408	ND	ND	6.408
	14-Sep-2004	NM	7.398	4.398	1.398	Under water	Under water	NM	NM	NA
	11-Oct-2004	NM	7.398	4.398	1.398	Under water	Under water	NM	NM	NA
	11-Nov-2004	NM	7.398	4.398	1.398	Under water	Under water	NM	NM	NA
	9-May-2005	15:53	7.398	4.398	1.398	1.735	5.663	ND	ND	5.663
	8-Jun-2005	9:38	7.398	4.398	1.398	1.130	6.268	ND	ND	6.268
	8-Jul-2005	8:40	7.398	4.398	1.398	0.615	6.783	ND	ND	6.783
	19-Aug-2005	9:47	7.398	4.398	1.398	0.575	6.823	ND	ND	6.823
	16-Sep-2005	7:55	7.398	4.398	1.398	0.605	6.793	ND	ND	6.793
	12-Dec-2006	13:15	7.398	4.398	1.398	1.540	5.858	ND	ND	5.858
	12-Jan-2007	07:08	7.398	4.398	1.398	1.745	5.653	ND	ND	5.653
	12-Feb-2007	08:46	7.398	4.398	1.398	2.050	5.348	ND	ND	5.348
	7-Apr-2008	11:00	7.398	4.398	1.398	1.390	6.008	ND	ND	6.008
	12-May-2008	14:15	7.398	4.398	1.398	1.790	5.608	ND	ND	5.608
WCB4	15-Oct-2002	NR	8.802	5.802	2.802	2.070	6.732	ND	ND	6.732
	5-Mar-2003	NR	8.802	5.802	2.802	2.235	6.567	ND	ND	6.567
Alluvium	14-Apr-2003	10:41	8.802	5.802	2.802	2.498	6.304	ND	ND	6.304
	9-Dec-2003	12:15	8.802	5.802	2.802	2.300	6.502	ND	ND	6.502
Damplands	9-Jan-2004	8:00	8.802	5.802	2.802	2.380	6.422	ND	ND	6.422
	9-Feb-2004	10:00	8.802	5.802	2.802	2.754	6.048	ND	ND	6.048
	8-Mar-2004	8:16	8.802	5.802	2.802	3.000	5.802	ND	ND	5.802
	8-Apr-2004	7:39	8.802	5.802	2.802	3.170	5.632	ND	ND	5.632
	10-May-2004	10:26	8.802	5.802	2.802	3.197	5.605	ND	ND	5.605
	8-Jun-2004	10:16	8.802	5.802	2.802	2.310	6.492	ND	ND	6.492
	7-Jul-2004	9:50	8.802	5.802	2.802	1.940	6.862	ND	ND	6.862
	9-Aug-2004	8:45	8.802	5.802	2.802	1.890	6.912	ND	ND	6.912
	14-Sep-2004	9:02	8.802	5.802	2.802	1.825	6.977	ND	ND	6.977
	11-Oct-2004	8:34	8.802	5.802	2.802	2.030	6.772	ND	ND	6.772
	11-Nov-2004	11:48	8.802	5.802	2.802	2.140	6.662	ND	ND	6.662
	9-May-2005	10:13	8.802	5.802	2.802	2.605	6.197	ND	ND	6.197
	8-Jun-2005	9:20	8.802	5.802	2.802	1.755	7.047	ND	ND	7.047
	8-Jul-2005	8:30	8.802	5.802	2.802	1.555	7.247	ND	ND	7.247
	19-Aug-2005	9:25	8.802	5.802	2.802	1.210	7.592	ND	ND	7.592
	16-Sep-2005	7:38	8.802	5.802	2.802	1.740	7.062	ND	ND	7.062
	24-Sep-2006					Bore Destroyed				
WCB5	15-Oct-2002	NR	8.591	7.591	4.591	2.070	6.521	ND	ND	6.521
	5-Mar-2003	NR	8.591	7.591	4.591	2.125	6.466	ND	ND	6.466
Alluvium	14-Apr-2003	10:35	8.591	7.591	4.591	2.482	6.109	ND	ND	6.109
	9-Dec-2003	12:01	8.591	7.591	4.591	2.280	6.311	ND	ND	6.311
Damplands	9-Jan-2004	7:48	8.591	7.591	4.591	2.340	6.251	ND	ND	6.251
	9-Feb-2004	9:55	8.591	7.591	4.591	2.585	6.006	ND	ND	6.006
	8-Mar-2004	8:09	8.591	7.591	4.591	2.812	5.779	ND	ND	5.779
	8-Apr-2004	7:30	8.591	7.591	4.591	2.969	5.622	ND	ND	5.622
	10-May-2004	10:22	8.591	7.591	4.591	2.989	5.602	ND	ND	5.602
	8-Jun-2004	10:13	8.591	7.591	4.591	2.193	6.398	ND	ND	6.398
	7-Jul-2004	10:00	8.591	7.591	4.591	1.841	6.750	ND	ND	6.750
	9-Aug-2004	8:40	8.591	7.591	4.591	1.871	6.720	ND	ND	6.720
	14-Sep-2004	8:59	8.591	7.591	4.591	1.850	6.741	ND	ND	6.741
	11-Oct-2004	8:32	8.591	7.591	4.591	2.042	6.549	ND	ND	6.549
	11-Nov-2004	11:46	8.591	7.591	4.591	2.153	6.438	ND	ND	6.438
	9-May-2005	10:07	8.591	7.591	4.591	2.520	6.071	ND	ND	6.071
	8-Jun-2005	9:10	8.591	7.591	4.591	1.605	6.986	ND	ND	6.986
	8-Jul-2005	8:14	8.591	7.591	4.591	1.450	7.141	ND	ND	7.141
	19-Aug-2005	9:15	8.591	7.591	4.591	1.085	7.506	ND	ND	7.506
	16-Sep-2005	7:30	8.591	7.591	4.591	1.730	6.861	ND	ND	6.861
	24-Sep-2006					Bore Destroyed				
WCB6	15-Oct-2002	NR	9.081	6.081	3.081	2.480	6.601	ND	ND	6.601
	5-Mar-2003	NR	9.081	6.081	3.081	2.685	6.396	ND	ND	6.396
Alluvium	14-Apr-2003	10:15	9.081	6.081	3.081	3.137	5.944	ND	ND	5.944
	9-Dec-2003	11:41	9.081	6.081	3.081	2.770	6.311	ND	ND	6.311
Damplands	9-Jan-2004	7:40	9.081	6.081	3.081	2.928	6.153	ND	ND	6.153
	9-Feb-2004	9:45	9.081	6.081	3.081	3.122	5.959	ND	ND	5.959
	8-Mar-2004	7:52	9.081	6.081	3.081	3.300	5.781	ND	ND	5.781
	8-Apr-2004	7:19	9.081	6.081	3.081	3.435	5.646	ND	ND	5.646
	10-May-2004	10:15	9.081	6.081	3.081	3.449	5.632	ND	ND	5.632
	8-Jun-2004	10:05	9.081	6.081	3.081	3.028	6.053	ND	ND	6.053
	7-Jul-2004	10:10	9.081	6.081	3.081	2.470	6.611	ND	ND	6.611
	9-Aug-2004	8:31	9.081	6.081	3.081	2.325	6.756	ND	ND	6.756
	14-Sep-2004	8:53	9.081	6.081	3.081	2.240	6.841	ND	ND	6.841
	11-Oct-2004	8:26	9.081	6.081	3.081	2.475	6.606	ND	ND	6.606
	11-Nov-2004	11:40	9.081	6.081	3.081	2.584	6.497	ND	ND	6.497
	9-May-2005	9:56	9.081	6.081	3.081	3.125	5.956	ND	ND	5.956
	8-Jun-2005	8:59	9.081	6.081	3.081	2.325	6.756	ND	ND	6.756
	8-Jul-2005	8:10	9.081	6.081	3.081	1.965	7.116	ND	ND	7.116
	19-Aug-2005	9:04	9.081	6.081	3.081	1.650	7.431	ND	ND	7.431
	16-Sep-2005	7:20	9.081	6.081	3.081	2.140	6.941	ND	ND	6.941
	12-Dec-2006	11:45	9.081	6.081	3.081	DRY	DRY	ND	ND	NA
	12-Jan-2007	06:53	9.081	6.081	3.081	DRY	DRY	ND	ND	NA
	12-Feb-2007	08:37	9.081	6.081	3.081	DRY	DRY	ND	ND	NA
	12-May-2008					Bore Destroyed				

**Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue**

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
WCB7	15-Oct-2002	NR	8.847	7.847	4.847	2.300	6.547	ND	ND	6.547
	5-Mar-2003	NR	8.847	7.847	4.847	2.380	6.467	ND	ND	6.467
Alluvium	14-Apr-2003	10:09	8.847	7.847	4.847	2.891	5.956	ND	ND	5.956
Damplands	9-Dec-2003					Bore Destroyed				
WCB8	15-Oct-2002	NR	7.522	4.522	3.522	0.970	6.552	ND	ND	6.552
	5-Mar-2003	NR	7.522	4.522	3.522	1.010	6.512	ND	ND	6.512
Alluvium	14-Apr-2003	11:17	7.522	4.522	3.522	1.561	5.961	ND	ND	5.961
	9-Dec-2003	12:49	7.522	4.522	3.522	1.530	5.992	ND	ND	5.992
Damplands	9-Jan-2004	8:45	7.522	4.522	3.522	2.110	5.412	ND	ND	5.412
	9-Feb-2004	10:21	7.522	4.522	3.522	1.518	6.004	ND	ND	6.004
	8-Mar-2004	8:50	7.522	4.522	3.522	1.681	5.841	ND	ND	5.841
	8-Apr-2004	8:18	7.522	4.522	3.522	1.870	5.652	ND	ND	5.652
	10-May-2004	10:47	7.522	4.522	3.522	1.684	5.838	ND	ND	5.838
	8-Jun-2004	10:40	7.522	4.522	3.522	0.450	7.072	ND	ND	7.072
	7-Jul-2004	NM	7.522	4.522	3.522	Under water	Under water	NM	NM	NA
	9-Aug-2004	NM	7.522	4.522	3.522	Under water	Under water	NM	NM	NA
	14-Sep-2004	NM	7.522	4.522	3.522	Under water	Under water	NM	NM	NA
	11-Oct-2004	NM	7.522	4.522	3.522	Under water	Under water	NM	NM	NA
	11-Nov-2004	NM	7.522	4.522	3.522	Under water	Under water	NM	NM	NA
	9-May-2005	10:40	7.522	4.522	3.522	0.640	6.882	ND	ND	6.882
	8-Jun-2005	NM	7.522	4.522	3.522	Under water	Under water	ND	ND	NA
	8-Jul-2005	NM	7.522	4.522	3.522	Under water	Under water	ND	ND	NA
	19-Aug-2005	NM	7.522	4.522	3.522	Under water	Under water	ND	ND	NA
	16-Sep-2005	NM	7.522	4.522	3.522	Under water	Under water	ND	ND	NA
	12-Dec-2006	12:14	7.522	4.522	3.522	1.050	6.472	ND	ND	6.472
	12-Jan-2007	7:01	7.522	4.522	3.522	1.375	6.147	ND	ND	6.147
	12-Feb-2007	9:02	7.522	4.522	3.522	1.695	5.827	ND	ND	5.827
	12-May-2008	14:03	7.522	4.522	3.522	0.910	6.612	ND	ND	6.612
WCB9	1-Nov-2001	NR	17.597	7.161	1.161	7.870	9.727	ND	ND	9.727
	15-Oct-2002	NR	17.597	7.161	1.161	7.840	9.757	ND	ND	9.757
Base of Guildford	5-Mar-2003	NR	17.597	7.161	1.161	8.150	9.447	ND	ND	9.447
	14-Apr-2003	12:30	17.597	7.161	1.161	9.017	8.580	ND	ND	8.580
	9-Dec-2003	9:25	17.597	7.161	1.161	7.630	9.967	ND	ND	9.967
Lot 2	9-Jan-2004	12:50	17.597	7.161	1.161	7.900	9.697	ND	ND	9.697
	9-Feb-2004	13:03	17.597	7.161	1.161	8.311	9.286	ND	ND	9.286
	8-Mar-2004	11:21	17.597	7.161	1.161	8.658	8.939	ND	ND	8.939
	8-Apr-2004	10:28	17.597	7.161	1.161	8.920	8.677	ND	ND	8.677
	10-May-2004	11:58	17.597	7.161	1.161	9.161	8.436	ND	ND	8.436
	8-Jun-2004	NR	17.597	7.161	1.161	DRY	DRY	ND	ND	NA
	7-Jul-2004	12:01	17.597	7.161	1.161	8.953	8.644	ND	ND	8.644
	9-Aug-2004	13:30	17.597	7.161	1.161	8.750	8.847	ND	ND	8.847
	14-Sep-2004	10:41	17.597	7.161	1.161	8.245	9.352	ND	ND	9.352
	11-Oct-2004	9:58	17.597	7.161	1.161	8.032	9.565	ND	ND	9.565
	11-Nov-2004	13:38	17.597	7.161	1.161	8.039	9.558	ND	ND	9.558
	9-May-2005	16:13	17.597	7.161	1.161	9.270	8.327	ND	ND	8.327
	8-Jun-2005	12:15	17.597	7.161	1.161	9.100	8.497	ND	ND	8.497
	8-Jul-2005	11:05	17.597	7.161	1.161	8.485	9.112	ND	ND	9.112
	19-Aug-2005	11:22	17.597	7.161	1.161	8.035	9.562	ND	ND	9.562
	16-Sep-2005	9:12	17.597	7.161	1.161	7.585	10.012	ND	ND	10.012
	12-Dec-2006	17:14	17.597	7.161	1.161	8.595	9.002	ND	ND	9.002
	12-Jan-2007	09:10	17.597	7.161	1.161	8.820	8.777	ND	ND	8.777
	12-Feb-2007	11:16	17.597	7.161	1.161	8.945	8.652	ND	ND	8.652
	12-May-2008	12:14	17.597	7.161	1.161	9.050	8.547	ND	ND	8.547
	24-Aug-2009	11:26	17.597	7.161	1.161	9.550	8.047	ND	ND	8.047
WCB11	15-Oct-2002	NR	20.094	15.503	12.503	4.800	15.294	ND	ND	15.294
	15-Oct-2002	NR	20.094	15.503	12.503	5.840	14.254	ND	ND	14.254
Shallow	5-Mar-2003	NR	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	14-Apr-2003	12:51	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
Lot 2	9-Dec-2003	10:15	20.094	15.503	12.503	6.110	13.984	ND	ND	13.984
	9-Jan-2004	12:12	20.094	15.503	12.503	6.389	13.705	ND	ND	13.705
	9-Feb-2004	13:25	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	8-Mar-2004	10:51	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	8-Apr-2004	9:47	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	10-May-2004	12:13	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	8-Jun-2004	NR	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	7-Jul-2004	NR	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	9-Aug-2004	13:05	20.094	15.503	12.503	6.640	13.454	ND	ND	13.454
	14-Sep-2004	11:02	20.094	15.503	12.503	6.102	13.992	ND	ND	13.992
	11-Oct-2004	10:12	20.094	15.503	12.503	6.145	13.949	ND	ND	13.949
	11-Nov-2004	13:52	20.094	15.503	12.503	6.352	13.742	ND	ND	13.742
	9-May-2005	16:39	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	8-Jun-2005	12:47	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
	8-Jul-2005	11:29	20.094	15.503	12.503	5.970	14.124	ND	ND	14.124
	19-Aug-2005	11:52	20.094	15.503	12.503	6.070	14.024	ND	ND	14.024
	16-Sep-2005	9:42	20.094	15.503	12.503	5.970	14.124	ND	ND	14.124
	12-May-2008	13:16	20.094	15.503	12.503	DRY	DRY	ND	ND	NA
WCB12	1-Nov-2001	NR	20.225	15.125	7.125	9.270	10.955	ND	ND	10.955
	15-Oct-2002	NR	20.225	15.125	7.125	10.590	9.635	ND	ND	9.635
Regional	5-Mar-2003	NR	20.225	15.125	7.125	8.700	11.525	ND	ND	11.525
	14-Apr-2003	11:53	20.225	15.125	7.125	11.117	9.108	ND	ND	9.108
Oliver St	9-Dec-2003	11:07	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	9-Jan-2004	8:54	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	9-Feb-2004	11:14	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	8-Mar-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	8-Apr-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	10-May-2004	11:08	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	8-Jun-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	7-Jul-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	9-Aug-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	14-Sep-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	11-Oct-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	11-Nov-2004	NR	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	9-May-2005	17:33	20.225	15.125	7.125	NM	DRY	ND	ND	NA
	8-Jun-2005	15:04	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	8-Jul-2005	14:10	20.225	15.125	7.125	6.560	13.665	ND	ND	13.665
	19-Aug-2005	14:58	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	16-Sep-2005	13:42	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	12-May-2008	10:30	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	24-Mar-2009	12:26	20.225	15.125	7.125	DRY	DRY	ND	ND	NA
	24-Aug-2009	13:00	20.225	15.125	7.125	DRY	DRY	ND	ND	NA

Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
WCB13	1-Nov-2001	NR	20.057	7.503	1.503	10.890	9.167	ND	ND	9.167
	15-Oct-2002	NR	20.057	7.503	1.503	10.850	9.207	ND	ND	9.207
Regional	5-Mar-2003	NR	20.057	7.503	1.503	11.620	8.437	ND	ND	8.437
	14-Apr-2003	12:49	20.057	7.503	1.503	11.880	8.177	ND	ND	8.177
Lot 2	9-Dec-2003	9:00	20.057	7.503	1.503	10.730	9.327	ND	ND	9.327
	9-Jan-2004	12:04	20.057	7.503	1.503	10.958	9.099	ND	ND	9.099
	9-Feb-2004	13:22	20.057	7.503	1.503	11.262	8.795	ND	ND	8.795
	8-Mar-2004	10:43	20.057	7.503	1.503	11.540	8.517	ND	ND	8.517
	8-Apr-2004	9:42	20.057	7.503	1.503	11.825	8.232	ND	ND	8.232
	10-May-2004	12:11	20.057	7.503	1.503	12.026	8.031	ND	ND	8.031
	8-Jun-2004	11:20	20.057	7.503	1.503	12.063	7.994	ND	ND	7.994
	7-Jul-2004	11:10	20.057	7.503	1.503	11.850	8.207	ND	ND	8.207
	9-Aug-2004	13:00	20.057	7.503	1.503	11.615	8.442	ND	ND	8.442
	14-Sep-2004	10:59	20.057	7.503	1.503	11.200	8.857	ND	ND	8.857
	11-Oct-2004	10:14	20.057	7.503	1.503	11.030	9.027	ND	ND	9.027
	11-Nov-2004	13:54	20.057	7.503	1.503	10.962	9.095	ND	ND	9.095
	9-May-2005	16:42	20.057	7.503	1.503	12.160	7.897	ND	ND	7.897
	8-Jun-2005	12:45	20.057	7.503	1.503	11.990	8.067	ND	ND	8.067
	8-Jul-2005	11:25	20.057	7.503	1.503	11.430	8.627	ND	ND	8.627
	19-Aug-2005	11:54	20.057	7.503	1.503	10.950	9.107	ND	ND	9.107
	16-Sep-2005	9:40	20.057	7.503	1.503	10.620	9.437	ND	ND	9.437
	30-Aug-2006									
Bore Decommissioned										
WCT1 (BoG)	22-Apr-2000	NR	18.621	Unknown	0.849	9.225	9.396	NR	NR	9.396
	30-Aug-2006									
Bore Decommissioned										
WCT2	22-Apr-2000	NR	18.420	Unknown	0.700	9.019	9.401	NR	NR	9.401
	1-Nov-2001	NR	18.019	Unknown	0.700	8.360	9.659	NR	NR	9.659
Base of Guildford	15-Oct-2002	NR	18.019	Unknown	0.700	8.280	9.739	NR	NR	9.739
	5-Mar-2003	NR	18.019	Unknown	0.700	NR	NR	NR	NR	NR
	14-Apr-2003	15:58	18.019	Unknown	0.700	9.466	8.553	ND	ND	8.553
Former Waste Control Site	9-Dec-2003	13:04	18.019	Unknown	0.700	8.230	9.789	ND	ND	9.789
	9-Jan-2004	15:42	18.019	Unknown	0.700	8.470	9.549	ND	ND	9.549
	9-Feb-2004	15:24	18.019	Unknown	0.700	8.771	9.248	ND	ND	9.248
	8-Mar-2004	13:20	18.019	Unknown	0.700	9.100	8.919	ND	ND	8.919
	8-Apr-2004	11:45	18.019	Unknown	0.700	9.375	8.644	ND	ND	8.644
	10-May-2004	13:39	18.019	Unknown	0.700	9.609	8.410	ND	ND	8.410
	8-Jun-2004	14:01	18.019	Unknown	0.700	9.680	8.339	ND	ND	8.339
	7-Jul-2004	14:20	18.019	Unknown	0.700	9.430	8.589	ND	ND	8.589
	9-Aug-2004	11:59	18.019	Unknown	0.700	9.210	8.809	ND	ND	8.809
	14-Sep-2004	13:17	18.019	Unknown	0.700	8.689	9.330	ND	ND	9.330
	11-Oct-2004	11:33	18.019	Unknown	0.700	8.508	9.511	ND	ND	9.511
	11-Nov-2004	15:03	18.019	Unknown	0.700	8.507	9.512	ND	ND	9.512
	9-May-2005	11:55	18.019	Unknown	0.700	9.745	8.274	ND	ND	8.274
	8-Jun-2005	13:11	18.019	Unknown	0.700	9.575	8.444	ND	ND	8.444
	8-Jul-2005	12:26	18.019	Unknown	0.700	8.950	9.069	ND	ND	9.069
	19-Aug-2005	12:58	18.019	Unknown	0.700	8.480	9.539	ND	ND	9.539
	16-Sep-2005	13:52	18.019	Unknown	0.700	8.025	9.994	ND	ND	9.994
	30-Aug-2006									
Bore Decommissioned										
WCT3	22-Apr-2000	NR	19.520	Unknown	1.797	10.421	9.099	NR	NR	9.099
	1-Nov-2001	NR	19.131	Unknown	1.797	9.720	9.411	9.640	0.080	9.411
Base of Guildford	15-Oct-2002	NR	19.131	Unknown	1.797	9.730	9.401	NR	NR	9.401
	5-Mar-2003	NR	19.131	Unknown	1.797	NR	NR	NR	NR	NR
	14-Apr-2003	14:03	19.131	Unknown	1.797	10.807	8.324	ND	ND	8.324
Former Waste Control Site	9-Dec-2003	15:10	19.131	Unknown	1.797	9.600	9.531	ND	ND	9.531
	9-Jan-2004	13:47	19.131	Unknown	1.797	9.840	9.291	ND	ND	9.291
	9-Feb-2004	14:25	19.131	Unknown	1.797	10.140	8.991	ND	ND	8.991
	8-Mar-2004	12:36	19.131	Unknown	1.797	10.450	8.681	ND	ND	8.681
	8-Apr-2004	11:33	19.131	Unknown	1.797	10.730	8.401	ND	ND	8.401
	10-May-2004	13:00	19.131	Unknown	1.797	10.957	8.174	ND	ND	8.174
	8-Jun-2004	13:22	19.131	Unknown	1.797	10.990	8.141	ND	ND	8.141
	7-Jul-2004	13:57	19.131	Unknown	1.797	10.770	8.361	ND	ND	8.361
	9-Aug-2004	11:22	19.131	Unknown	1.797	10.560	8.571	ND	ND	8.571
	14-Sep-2004	12:56	19.131	Unknown	1.797	10.078	9.053	ND	ND	9.053
	11-Oct-2004	10:35	19.131	Unknown	1.797	9.903	9.228	ND	ND	9.228
	11-Nov-2004	14:20	19.131	Unknown	1.797	9.888	9.243	ND	ND	9.243
	9-May-2005	14:00	19.131	Unknown	1.797	11.080	8.051	ND	ND	8.051
	8-Jun-2005	14:26	19.131	Unknown	1.797	10.915	8.216	ND	ND	8.216
	8-Jul-2005	12:36	19.131	Unknown	1.797	10.335	8.796	ND	ND	8.796
	19-Aug-2005	13:11	19.131	Unknown	1.797	9.850	9.281	ND	ND	9.281
	16-Sep-2005	14:03	19.131	Unknown	1.797	9.460	9.671	ND	ND	9.671
	30-Aug-2006									
Bore Decommissioned										
NEIGHBOURHOOD BORES										
NB01 (A&P)	19-Aug-2005	14:38	20.111	Unknown	Unknown	11.075	9.036	ND	ND	9.036
	16-Sep-2005	13:25	20.111	Unknown	Unknown	10.820	9.291	ND	ND	9.291
NB02 (Austral)	19-Aug-2005	15:30	17.141	Unknown	Unknown	NM	NM	NM	NM	NA
	16-Sep-2005	12:50	17.141	Unknown	Unknown	8.600	8.541	NM	NM	8.541
NB03 (Vale)	16-Sep-2005	11:35	16.631	Unknown	Unknown	4.290	12.341	NM	NM	12.341
NB04 (Wyatt)	16-Sep-2005	12:15	NS	Unknown	Unknown	2.380	NM	NM	NM	NS
NB05 (RSL)	9-Sep-2005	12:00	19.246	Unknown	Unknown	3.426	15.820	NM	NM	15.820
STAFF GAUGES										
SG01 (Pond)	9-May-2005	15:45	8.688	NA	NA	DRY	DRY	NA	NA	NA
	8-Jun-2005	9:32	8.688	NA	NA	0.920	7.768	NA	NA	7.768
	8-Jul-2005	8:47	8.688	NA	NA	0.860	7.828	NA	NA	7.828
	19-Aug-2005	9:40	8.688	NA	NA	0.855	7.833	NA	NA	7.833
	16-Sep-2005	7:50	8.688	NA	NA	0.910	7.778	NA	NA	7.778
	12-Dec-2006	12:50	8.688	NA	NA	DRY	DRY	NA	NA	NA
	12-Jan-2007	07:12	8.688	NA	NA	DRY	DRY	NA	NA	NA
	12-Feb-2007	08:49	8.688	NA	NA	DRY	DRY	NA	NA	NA
	12-May-2008	14:39	8.688	NA	NA	DRY	DRY	NA	NA	NA
	24-Mar-2009		8.688	NA	NA	DRY	DRY	NA	NA	NA
	24-Aug-2009	17:36	8.688	NA	NA	0.905	7.783	NA	NA	7.783

Table 9:
Water Level Data, 2000-2011
Former Waste Control Site, Bellevue

Well/Aquifer/ Location	Date Measured	Time Measured	Top of Casing Elevation (m AHD)	Top of Screen Elevation (m AHD)	Bottom of Screen Elevation (m AHD)	Depth to Water (m)	Water Level (m AHD)	Depth to PSH (m)	PSH Thickness (m)	Groundwater Elevation (m AHD)
GROUNDWATER MONITORING WELLS										
SG02 (Pond)	9-May-2005	15:56	7.978	NA	NA	1.050	6.928	NA	NA	6.928
	8-Jun-2005	9:52	7.978	NA	NA	0.205	7.773	NA	NA	7.773
	8-Jul-2005	9:02	7.978	NA	NA	0.145	7.833	NA	NA	7.833
	19-Aug-2005	10:00	7.978	NA	NA	0.135	7.843	NA	NA	7.843
	16-Sep-2005	8:04	7.978	NA	NA	0.195	7.783	NA	NA	7.783
	12-Dec-2006	12:40	7.978	NA	NA	DRY	DRY	NA	NA	N/A
	12-Jan-2007	12:41	7.978	NA	NA	DRY	DRY	NA	NA	N/A
	12-Feb-2007	08:51	7.978	NA	NA	DRY	DRY	NA	NA	NA
	12-May-2008	14:32	7.978	NA	NA	1.320	6.658	NA	NA	NA
	24-Mar-2009		7.978	NA	NA	DRY	DRY	NA	NA	NA
	24-Aug-2009	16:50	7.978	NA	NA	stake+13cm	DRY	NA	NA	NA
	9-May-2005	15:58	7.886	NA	NA	0.960	6.926	NA	NA	6.926
	8-Jun-2005	10:00	7.886	NA	NA	0.120	7.766	NA	NA	7.766
	8-Jul-2005	9:10	7.886	NA	NA	0.055	7.831	NA	NA	7.831
SG03 (Pond)	19-Aug-2005	10:05	7.886	NA	NA	0.050	7.836	NA	NA	7.836
	16-Sep-2005	8:08	7.886	NA	NA	0.105	7.781	NA	NA	7.781
	12-Dec-2006	12:20	7.886	NA	NA	DRY	DRY	NA	NA	N/A
	12-Jan-2007	07:03	7.886	NA	NA	DRY	DRY	NA	NA	N/A
	12-Feb-2007	08:52	7.886	NA	NA	DRY	DRY	NA	NA	NA
	15-Oct-2008	11:20	7.886	NA	NA	0.595	7.291	NA	NA	7.291
	24-Mar-2009		7.886	NA	NA	DRY	DRY	NA	NA	NA
	24-Aug-2009	16:49	7.886	NA	NA	stake+7cm				
	28-Jul-2010	14:47	7.886	NA	NA	1.005	6.881	NA	NA	6.881
	9-May-2005	17:50	7.528	NA	NA	1.500	6.028	NA	NA	6.028
	8-Jun-2005	11:07	7.528	NA	NA	0.980	6.548	NA	NA	6.548
	8-Jul-2005	10:35	7.528	NA	NA	0.910	6.618	NA	NA	6.618
	19-Aug-2005	10:55	7.528	NA	NA	Destroyed	Destroyed	NA	NA	NA
	12-May-2008	15:00	7.528			Star picket bent				
SG04 (River)	24-Mar-2009		7.528	NA	NA	DRY	DRY	NA	NA	NA
	28-Jul-2010	14:50	7.528	NA	NA	0.490	7.038	NA	NA	7.038
	9-May-2005	17:45	12.261	NA	NA	6.230	6.031	NA	NA	6.031
	8-Jun-2005	11:15	12.261	NA	NA	5.730	6.531	NA	NA	6.531
	8-Jul-2005	10:40	12.261	NA	NA	5.680	6.581	NA	NA	6.581
	19-Aug-2005	11:00	12.261	NA	NA	5.360	6.901	NA	NA	6.901
	16-Sep-2005	9:00	12.261	NA	NA	5.890	6.371	NA	NA	6.371
	12-Dec-2006	18:50	12.261	NA	NA	5.275	6.986	NA	NA	6.986
	12-Jan-2007	06:25	12.261	NA	NA	5.310	6.951	NA	NA	6.951
	12-Feb-2007	08:25	12.261	NA	NA	5.560	6.701	NA	NA	6.701
	15-Oct-2008	8:20	12.261	NA	NA	4.940	7.321	NA	NA	7.321
	24-Mar-2009		12.261	NA	NA	DRY	DRY	NA	NA	NA
	24-Aug-2009	7:55	12.261	NA	NA	5.330	6.931	NA	NA	6.931
	21-Sep-2009	12:00	12.261	NA	NA	5.430	6.831	NA	NA	6.831
SG05 (River)	28-Jul-2010	14:55	12.261	NA	NA	5.835	6.426	NA	NA	6.426
	7-Jul-2011	12:02	12.261	NA	NA	5.780	6.481	NA	NA	6.481
	9-May-2005	16:05	7.067	NA	NA	1.030	6.037	NA	NA	6.037
	8-Jun-2005	9:07	7.067	NA	NA	0.150	6.917	NA	NA	6.917
	8-Jul-2005	8:16	7.067	NA	NA	0.080	6.987	NA	NA	6.987
	19-Aug-2005	9:16	7.067	NA	NA	Under water	Under water	NA	NA	NA
	16-Sep-2005	7:33	7.067	NA	NA	0.365	6.702	NA	NA	6.702
	12-Dec-2006	12:02	7.067	NA	NA	0.850	6.217	NA	NA	6.217
	12-Jan-2007	06:35	7.067	NA	NA	1.120	5.947	NA	NA	5.947
	12-Feb-2007	08:32	7.067	NA	NA	1.460	5.607	NA	NA	5.607
	15-Oct-2008	9:23	7.067	NA	NA	0.530	6.537	NA	NA	6.537
	24-Mar-2009		7.067	NA	NA	DRY	DRY	NA	NA	NA
	24-Aug-2009	16:22	7.067	NA	NA	stake+10cm				
	21-Sep-2009	11:17	7.067	NA	NA	0.010	7.057	NA	NA	7.057
SG06 (River)	28-Jul-2010	11:58	7.067	NA	NA	0.495	6.572	NA	NA	6.572
	7-Jul-2011	13:01	7.067	NA	NA	0.460	6.607	NA	NA	6.607
	9-May-2005	16:03	7.794	NA	NA	1.530	6.264	NA	NA	6.264
	8-Jun-2005	9:16	7.794	NA	NA	0.715	7.079	NA	NA	7.079
	8-Jul-2005	8:24	7.794	NA	NA	0.650	7.144	NA	NA	7.144
	19-Aug-2005	9:30	7.794	NA	NA	0.290	7.504	NA	NA	7.504
	16-Sep-2005	7:42	7.794	NA	NA	0.840	6.954	NA	NA	6.954
	12-Dec-2006	19:00	7.794	NA	NA	1.290	6.504	NA	NA	6.504
	12-Jan-2007	6:42	7.794	NA	NA	1.540	6.254	NA	NA	6.254
	12-Feb-2007	8:35	7.794	NA	NA	DRY	DRY	NA	NA	NA
	12-May-2008	14:47	7.794	NA	NA	DRY	DRY	NA	NA	NA
	15-Oct-08	10:05	7.794	NA	NA	1.025	DRY	NA	NA	6.769
	24-Mar-2009		7.794	NA	NA	DRY	DRY	NA	NA	NA
	24-Aug-2009	16:21	7.794	NA	NA	0.455	7.339	NA	NA	7.339
SG07 (River)	21-Sep-2009	10:40	7.794	NA	NA	0.595	7.199	NA	NA	7.199
	28-Jul-2010	11:02	7.794	NA	NA	1.005	6.789	NA	NA	6.789
	7-Jul-2011	14:16	7.794	NA	NA	0.945	6.849	NA	NA	6.849
	28-Jul-2010		8.661	NA	NA	DRY	DRY	NA	NA	DRY
	5-Nov-2010		8.661	NA	NA	DRY	DRY	NA	NA	DRY
	28-Jul-2010		8.566	NA	NA	DRY	DRY	NA	NA	DRY
	5-Nov-2010		8.566	NA	NA	DRY	DRY	NA	NA	DRY
	28-Jul-2010		8.412	NA	NA	DRY	DRY	NA	NA	DRY
	5-Nov-2010		8.412	NA	NA	DRY	DRY	NA	NA	DRY
	28-Jul-2010		8.268	NA	NA	1.035	7.233	NA	NA	7.233
	5-Nov-2010		8.268	NA	NA	DRY	DRY	NA	NA	DRY
	28-Jul-2010		8.283	NA	NA	1.115	7.168	NA	NA	7.168
	5-Nov-2010		8.283	NA	NA	DRY	DRY	NA	NA	DRY
	28-Jul-2010		8.396	NA	NA	1.050	7.346	NA	NA	7.346
	5-Nov-2010		8.396	NA	NA	DRY	DRY	NA	NA	DRY

ND: Not detected
NA: Not applicable
NR: Not recorded
NM: Not measured
NS: Not surveyed (perched water)

BoG: Base of Guildford

Groundwater elevations take into account the presence of NAPL, where detected, using NAPL density = 0.81 g/mL

* denotes water levels taken just after installation

Multi-level wells have been given an alphabetic notation (A, B, C or D) to represent the monitoring location depth with A being the shallowest and D the deepest.



Table 10A:
Vertical Hydraulic Gradients: Regional Watertable - Base of Guildford Formation (2000-2010)

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Regional Water Table to Base of Guildford															
Well Pairs	Groundwater Level (m AHD)														Gradient Trend
	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Dec-06	Jan-07	Feb-07	Mar-08	May-08	Mar-09	Aug-09	May-10	Jun-11	
MW22i	8.180	8.340	8.950	9.440	9.880	8.880	8.675	8.415	8.295	8.255	8.607	8.710	8.090	7.655	
MW25	8.180	8.330	8.920	9.420	9.840	8.858	8.653	8.413	8.333	8.243	8.565	8.683	8.083	7.653	
Vertical Gradient	0.000	-0.001	-0.004	-0.003	-0.006	-0.003	-0.003	0.000	0.005	-0.002	-0.006	-0.004	-0.001	0.000	-
MWG59						8.251	8.061	7.806		7.731	7.771	8.331			
MWG58						8.262	8.082	7.827		7.747	7.947	8.352			
Vertical Gradient						0.002	0.003	0.003		0.003	0.029	0.003			
MWG49				8.757	8.987	8.047	7.857	7.597			7.707	8.287	7.457	7.957	
MWG48				8.749	8.976	8.039	7.849	7.589			7.549	8.279	7.419	7.069	
Vertical Gradient				-0.001	-0.001	-0.001	-0.001	-0.001			-0.001	-0.001	-0.004	-0.098	weakly downward
MWG51				9.035	9.470	8.535	8.375	8.130		7.975	9.300	8.435		7.425	
MWG50				9.039	9.469	8.529	8.364	8.119		7.979	9.274	8.439		7.424	
Vertical Gradient						-0.001	-0.002	-0.002		0.001	-0.004	0.001		0.000	-
MWG57						8.019	7.824	7.569		7.499	7.643	8.229			
MWG55						8.007	7.807	7.547		7.527	7.527	8.262			
Vertical Gradient						-0.002	-0.003	-0.004		0.005	-0.166	0.006			
MWG70									7.712	7.617	7.807	7.277	8.457	7.087	
MWG69									7.707	7.607	7.697	8.277	8.452	7.087	
Vertical Gradient									-0.001	-0.002	-0.018	0.165	-0.001	0.000	-
MWG72									7.899	7.749	7.989	8.314			
MWG71									7.905	7.755	8.005	8.330			
Vertical Gradient									0.001	0.001	0.003	0.003			
MWG81									8.144	7.944	8.254	7.277			
MWG80									8.129	7.929	8.224	8.277			
Vertical Gradient									-0.002	-0.002	-0.004	-0.022			
MWG84									8.040	7.880	8.140	8.409			
MWG83									8.023	7.863	8.128	8.399			
Vertical Gradient									-0.003	-0.003	-0.002	0.000			
MWG91A												8.385	7.405	7.045	
MWG91C												8.383	7.391	7.031	
Vertical Gradient												0.000	-0.003	-0.002	-

Table 10B:
Vertical Hydraulic Gradients: Base of Guildford Formation - Leederville Formation (2000-2011)

Base of Guildford to Leederville																												
Well Pairs	Vertical Hydraulic Gradient Calculation Parameters						Groundwater Level (m AHD)															Gradient Trend						
	ts1	bs1	d1	ts2	bs2	d2	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Dec-06	Jan-07	Feb-07	Mar-08	May-08	Mar-09	Aug-09	May-10	Jun-11								
MWG46	4.920	1.920	3.42				8.920	9.170	9.870	10.310	11.040	9.656	9.401	9.141		9.071	9.308	9.681	8.841	8.321								
MWG45				-2.580	-5.580	-4.08	8.920	9.150	9.860	10.300	10.750	9.654	9.409	9.144		9.074	9.074	9.699	8.834	8.314								
Vertical Gradient							0.000	-0.003	-0.001	-0.001	-0.039	0.000	0.001	0.000		0.000	-0.010	0.002	-0.001	-0.001	-							
MWG48	1.849	-1.151	0.349						8.589	8.749	8.976	8.039	7.849	7.589		7.549	7.697	8.279	7.419	7.068								
MWG47				-7.487	-10.487	-8.987			8.498	8.833	9.013	8.058	7.853	7.583		7.613	7.683	8.393	7.403	7.068								
Vertical Gradient									-0.010	0.009	-0.004	0.002	0.000	-0.001		0.007	-0.001	0.012	-0.002	0.000	-							
MWG75	1.212	-0.288	0.462																			7.282	7.312	7.334	8.182			
MWG76							-2.365	-3.865	-3.115																6.825		7.015	6.880
Vertical Gradient																						-0.128	-0.083	-0.127	-0.033			

Table 10C:
Vertical Hydraulic Gradients: Standing Water - Alluvium (2000-2011)

Standing Water to Alluvium															
Well Pairs	Groundwater Level (m AHD)														Gradient Trend
	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Dec-06	Jan-07	Feb-07	Mar-08	May-08	Mar-09	Aug-09	May-10	Jun-11	
SG06	6.040	6.920	6.990	NA	6.700										
WCB05	6.070	6.990	7.140	7.510	6.860										
Vertical Gradient	0.174	0.406	0.870		0.928										
SG06	6.037	6.917	6.987	NA	6.702	6.217	5.947	5.607		5.827	-	7.057	6.789	6.607	
MW36	6.425	7.015	7.535	7.790	7.565	6.670	6.465	6.130		6.405	5.945	7.66	6.135	5.875	
Vertical Gradient	0.034	0.009	0.048		0.076	0.040	0.046	0.046		0.051		0.053	-0.058	-0.064	moderate downward
SG07	6.264	7.079	7.144	7.504	6.954										
WCB04	6.197	7.047	7.247	7.592	7.062										
Vertical Gradient	-0.026	-0.012	0.040	0.034	0.042										
SG02	6.930	7.770	7.830	7.840	7.780					6.658	-				
WCB02	6.570	7.160	7.720	7.960	7.750					6.541	6.231				
Vertical Gradient	-0.054	-0.091	-0.016	0.018	-0.004					-0.018					
SG03	6.926									6.626					
WCB08	6.882									6.612					
Vertical Gradient	-0.016									-0.005					

Well number	Eh (mV)	Temp (°C)	pH (units)	Conductivity (µS/cm)	Dissolved O ₂ (mg/L)	Colour	Sheen	Odour	flow rate (mL/min)	water level (m btoc)	Pump type
MW01	-62	18.0	6.61	1378	1.31	black flecks		Y (strong chemical, HC)	120	4.950	Peri
MW02	101	21.0	6.37	235	6.4	light brown		N	95	3.330	Submersible
MW03	146	21.4	5.79	1167	1	light brown		N	40	6.515	Submersible
MW04	-36	19.7	5.92	1503	0.51	light brown		Y (strong chemical, HC)	140	4.675	Peri
MW05	136	18.8	6	285	5.13	orange		N	160	4.410	Submersible
MW21i	-42	19.5	6.18	1142	0.78	black flecks		Y (strong HC)	50	11.410	Submersible
MW22i	-64	16.0	6.82	2003	0.35	grey		Y (strong chemical, HC)	60	11.810	Submersible
MW23i	-55	20.8	5.97	1033	2.88	dark grey		Y (strong chemical, HC)	17	12.580	Submersible
MW25	102	21.6	5.46	812	0.16	light brown		N	210	11.080	Submersible
MW27	114	22.0	5.85	992	0.29	slightly milky		N	120	11.590	Submersible
MW28	23	21.5	5.83	957	2.23			Y (strong chemical)	105	7.490	Submersible
MW32	48	21.6	5.88	1168	0.67	slightly milky		Y (strong chemical)	150	7.750	Submersible
MW36	56	19.8	5.7	1885	0.42	light brown		N	140	3.030	Submersible
MW42	120	20.4	5.63	1194	0.45	slightly milky		N	150	10.440	Submersible
MW44	-50	21.3	5.83	1705	0.34	grey, black flecks		Y (strong HC)	100	7.150	Submersible
MW45	-11	21.9	6.06	3230	0.07	light brown/yellow		Y (sulphur)	200	7.880	Submersible
MWG46	98	19.4	6.01	510	0.3			N	150	7.950	Submersible
MWG47	39	20.5	5.77	1925	0.29	light brown		Y (slight sulphur)	170	12.680	Submersible
MWG48	96	20.9	5.73	1138	0.11	slightly milky		N	260	12.820	Submersible
MWG49	33	9.1	5.45	1062	3.1	light brown		Y (organic)	15	12.790	Submersible
MWG50	126	21.3	5.32	970	0.3	slightly milky		N	200	12.125	Submersible
MWG51	-59	18.8	5.81	945	2.3	orange/brown		Y (HC)	35	12.150	Submersible
MWG54	138	15.5	6.08	537	4.82	slightly milky		N	30	12.075	Submersible
MWG56	-27	15.4	7.7	481	4.85			N	100	11.835	Submersible
MWG57	146	19.5	4.86	588	2.9			N	130	12.185	Submersible
MWG59	143	25.7	5.3	1058	5.03	brown		N	35	12.680	Submersible
MWG60	46	18.9	5.72	1903	0.34	black flecks		Y (sulphur)	180	2.190	Peri
MWG62	189	20.1	4.72	738	1.82	light brown		N	160	8.350	Submersible
MWG63	170	19.5	4.73	581	4.1	light brown		N	150	8.780	Submersible
MWG64	-50	20.3	6.03	1196	0.38			Y (HC)	120	11.800	Submersible
MWG65	122	21.1	5.87	951	0.78			N	160	12.770	Submersible
MWG66	-67	19.7	5.51	717	0.22			Y (sulphur)	180	2.770	Peri
MWG68	-18	19.8	5.3	577	0.19			Y (slight sulphur)	240	2.640	Peri
MWG69	136	21.0	5.68	635	0.36			N	180	12.825	Submersible
MWG70	168	20.4	4.98	560	2.21	slightly milky		N	210	12.895	Submersible
MWG91A	138	22.2	5.72	915	2	slightly milky		N	105	12.440	Submersible
MWG91B	136	21.6	5.58	775	1.36	slightly milky		N	125	12.430	Submersible
MWG91C	138	21.2	5.6	795	0.4			N	240	12.350	Submersible
SG05	10	10.7	7.16	608	5.56			N	245	5.780	Peri
SG06	34	11.1	6.26	603	5.52			N	180	0.460	Peri
SG07	61	10.8	6.34	598	5.63			N	180	0.945	Peri

Date	Equipment Number	pH Calibration Check		Conductivity Calibration Check (mS/cm)
		pH 4 Solution	pH 7 Solution	2.76mS/cm Solution
Golder Acceptable range		3.7 to 4.3	6.7 to 7.3	2.48 to 3.04
19/6/2011 AM	90FLMV U5431	4.05	7.00	2.76
19/6/2011 PM	90FLMV U5431	4.01	6.96	2.70
20/6/2011 AM	90FLMV U5431	4.08	7.03	2.76
20/6/2011 PM	90FLMV U5431	3.94	6.94	2.84
21/6/2011 AM	90FLMV U5431	3.97	6.95	2.79
21/6/2011 PM	90FLMV U5431	4.09	6.99	2.78
23/6/2011 AM	90FLMV U5431	4.08	6.95	2.84
23/6/2011 PM	90FLMV U5431	4.06	6.96	2.73
27/6/2011 AM	90FLMV U5431	3.96	6.94	2.73
27/6/2011 PM	90FLMV U5431	3.95	6.89	2.76
28/6/2011 AM	90FLMV U5431	3.85	6.83	2.70
28/6/2011 PM	90FLMV U5431	3.98	6.82	2.71
29/6/2011 AM	90FLMV U5431	4.13	7.22	2.73
29/6/2011 PM	90FLMV U5431	4.11	7.12	2.69
30/6/2011 AM	90FLMV U5431	3.95	6.83	2.81
30/6/2011 PM	90FLMV U5431	4.37	7.34	2.64
4/7/2011 AM	90FLMV U5431	4.00	7.05	2.76
4/7/2011 PM	90FLMV U5431	3.98	6.80	2.74
5/7/2011 AM	90FLMV U5431	3.90	6.80	2.76
5/7/2011 PM	90FLMV U5431	4.03	6.80	2.76
6/7/2011 AM	90FLMV U5431	3.83	6.80	2.79
6/7/2011 PM	90FLMV U5431	3.91	6.70	2.73
7/7/2011 AM	90FLMV U5431	3.80	6.70	2.76
7/7/2011 PM	90FLMV U5431	4.10	7.30	2.74
2/08/2011 AM	90FLMV T8778	4.03	7.04	2.79
2/08/2011 PM	90FLMV T8778	4.14	7.08	2.6

Table 13: Blank Results

Sample Type	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Lab Blank	Trip_B	Trip_B
Field ID	Q8111-03	Q8113-03	Q8114-03	Q8115-02	Q8117-03	Q8118-02	Q8119-02	Q8120-03	Q8121-03	Q8122-04	Q8114-06	Q8109-04	Q8111-05
Sampled Date Time	20/06/2011	23/06/2011	27/06/2011	28/06/2011	29/06/2011	30/06/2011	4/07/2011	5/07/2011	6/07/2011	7/07/2011	27/06/2011	19/06/2011	20/06/2011

ChemName	output unit	EQL													
Sample Quality Parameters															
Nitrate (as N)	mg/L	1	<1												
Heavy Metals															
Aluminium (Total)	mg/L	0.001	0.005				0.57	1.4	0.26	0.15	0.35	0.042			
Arsenic (Total)	mg/L	0.0005	<0.0005				<0.0005	0.0007	0.0007	<0.0005	<0.0005	<0.0005			
Cadmium (Total)	mg/L	0.0002	<0.0002				<0.0005	0.0008	0.001	<0.0005	0.0097	<0.0005			
Chromium (Total)	mg/L	0.001	<0.001				0.002	0.002	0.001	<0.001	0.002	0.001			
Copper (Total)	mg/L	0.001	<0.001				0.001	<0.001	<0.001	<0.001	0.006	<0.001			
Iron (Total)	mg/L	0.001	<0.001				0.25	1.9	0.2	0.082	1.1	0.079			
Lead (Total)	mg/L	0.001	<0.001				0.002	0.002	0.029	<0.001	0.001	<0.001			
Manganese (Total)	mg/L	0.001	<0.001				<0.001	0.002	0.002	<0.001	0.006	<0.001			
Mercury (Total)	mg/L	0.00005	<0.00005				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
Nickel (Total)	mg/L	0.001	<0.001				0.003	0.002	<0.001	0.003	0.007	0.001			
Zinc (Total)	mg/L	0.001	0.01				<0.001	0.47	0.017	0.053	0.17	0.03			
Halogenated Benzenes															
1,2,3-Trichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MAH															
1,2,4-trimethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (o)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PAH															
Naphthalene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Solvents															
Methyl Ethyl Ketone	mg/L	0.05													
2-Hexanone	mg/L	0.05													
4-Methyl-2-pentanone	mg/L	0.05													
Vinyl acetate	mg/L	0.05													
Total Petroleum Hydrocarbons															
Total C6-C36	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
TPH C 6 - C 9 Fraction	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
TPH C10 - C14 Fraction	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
TPH C15 - C28 Fraction	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
TPH C29-C36 Fraction	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
1,1,2,2-Tetrachloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
1,1,2-Trichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
1,2-Dibromoethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
1,2-Dichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 13: Blank Results

Sample_Type	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Rinsate	Lab Blank	Trip_B	Trip_B
Field_ID	Q8111-03	Q8113-03	Q8114-03	Q8115-02	Q8117-03	Q8118-02	Q8119-02	Q8120-03	Q8121-03	Q8122-04	Q8114-06	Q8109-04	Q8111-05
Sampled_Date_Time	20/06/2011	23/06/2011	27/06/2011	28/06/2011	29/06/2011	30/06/2011	4/07/2011	5/07/2011	6/07/2011	7/07/2011	27/06/2011	19/06/2011	20/06/2011

ChemName	output unit	EQL													
1,2-Dichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
Bromodichloromethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
Bromoethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Bromoethyne	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Bromoform	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
Bromomethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L	0.005													
Carbon tetrachloride	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
Chloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
cis-1,2-Dichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.005													
Dibromomethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
Dichlorodifluoromethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	mg/L	0.005													
Pentachloroethane	mg/L	0.005													
Trichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrabromoethane	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Tetrabromoethene	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Tetrachloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dibromoethene	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
trans-1,2-dichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.005													
1,1,2-Tribromoethene	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Trichlorofluoromethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Vinyl chloride	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 13: Blank Results

Sample Type			Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B
Field ID			Q8113-07	Q8114-07	Q8115-06	Q8116-002	Q8117-05	Q8118-06	Q8119-05	Q8120-05	Q8121-06	Q8122-09	Q8123 - 02	Q6653-02
Sampled Date Time			23/06/2011	27/06/2011	28/06/2011	28/06/2011	29/06/2011	30/06/2011	4/07/2011	5/07/2011	6/07/2011	7/07/2011	7/07/2011	2/08/2011
ChemName	output unit	EQL												
Sample Quality Parameters														
Nitrate (as N)	mg/L	1												
Heavy Metals														
Aluminium (Total)	mg/L	0.001												
Arsenic (Total)	mg/L	0.0005												
Cadmium (Total)	mg/L	0.0002												
Chromium (Total)	mg/L	0.001												
Copper (Total)	mg/L	0.001												
Iron (Total)	mg/L	0.001												
Lead (Total)	mg/L	0.001												
Manganese (Total)	mg/L	0.001												
Mercury (Total)	mg/L	0.00005												
Nickel (Total)	mg/L	0.001												
Zinc (Total)	mg/L	0.001												
Halogenated Benzenes														
1,2,3-Trichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,2,4-Trichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,2-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,3-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,4-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
2-Chlorotoluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
4-Chlorotoluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Bromobenzene	mg/L	0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Chlorobenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MAH														
1,2,4-trimethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,3,5-Trimethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Benzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001
Isopropylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
n-Butylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
n-Propylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
p-Isopropyltoluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
sec-Butylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Styrene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
tert-Butylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Toluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001
Xylenes (m & p)	mg/L	0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001
Xylene (o)	mg/L	0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001
PAH														
Naphthalene	mg/L	0.001	<0.001	<0.001	<0.001	<0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.007	<0.001
Solvents														
Methyl Ethyl Ketone	mg/L	0.05				<0.05							<0.05	
2-Hexanone	mg/L	0.05				<0.05							<0.05	
4-Methyl-2-pentanone	mg/L	0.05				<0.05							<0.05	
Vinyl acetate	mg/L	0.05				<0.05							<0.05	
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L	0.05												
TPH C 6 - C 9 Fraction	mg/L	0.01												<0.01
TPH C10 - C14 Fraction	mg/L	0.01												
TPH C15 - C28 Fraction	mg/L	0.05												
TPH C29-C36 Fraction	mg/L	0.05												
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,1,1-Trichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,1,2,2-Tetrabromoethane	mg/L	0.0001				<0.001								
1,1,2,2-Tetrachloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,1,2-Tribromoethane	mg/L	0.0001												
1,1,2-Trichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,1-Dichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,1-Dichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,1-Dichloropropene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,2,3-Trichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,2-Dibromo-3-chloropropane	mg/L	0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,2-Dibromoethane	mg/L	0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
cis- & trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001								
1,2-Dichloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

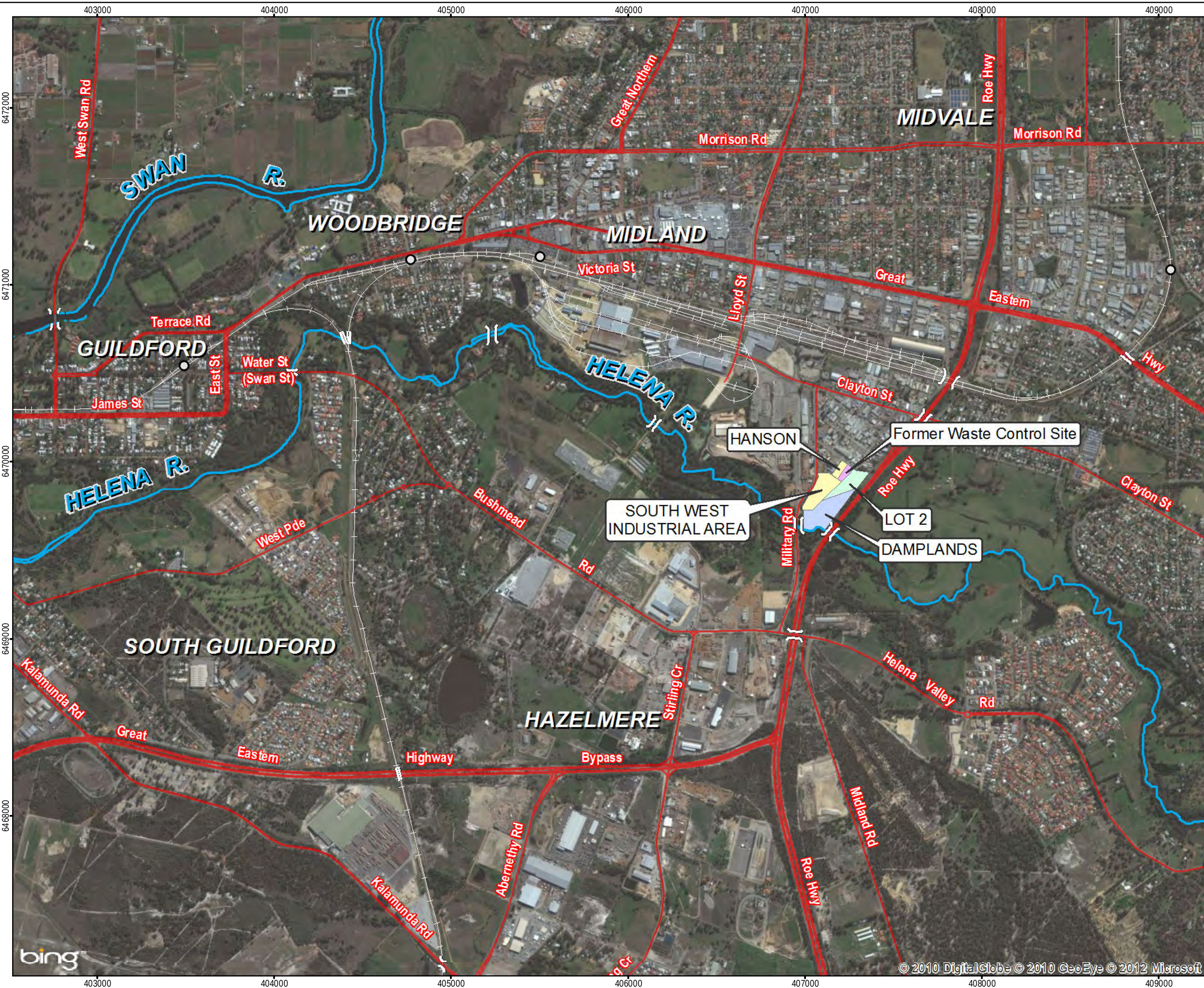
Table 13: Blank Results

Sample_Type	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B
Field_ID	Q8113-07	Q8114-07	Q8115-06	Q8116-002	Q8117-05	Q8118-06	Q8119-05	Q8120-05	Q8121-06	Q8122-09	Q8123 - 02	Q6653-02	
Sampled_Date_Time	23/06/2011	27/06/2011	28/06/2011	28/06/2011	29/06/2011	30/06/2011	4/07/2011	5/07/2011	6/07/2011	7/07/2011	7/07/2011	2/08/2011	
ChemName	output unit	EQL											
1,2-Dichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
1,3-Dichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
2,2-Dichloropropane	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Bromochloromethane	mg/L	0.0001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Bromodichloromethane	mg/L	0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Bromoethane	mg/L	0.0001											
Bromoethyne	mg/L	0.0001											
Bromoform	mg/L	0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Bromomethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001
Carbon disulfide	mg/L	0.005				<0.005						<0.005	
Carbon tetrachloride	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Chlorodibromomethane	mg/L	0.0001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Chloroethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001
Chloroform	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Chloromethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001
cis-1,2-Dibromoethene	mg/L	0.0001				<0.0001							
cis-1,2-Dichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
cis-1,3-Dichloropropene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
cis-1,4-Dichloro-2-butene	mg/L	0.005				<0.005						<0.005	
Dibromomethane	mg/L	0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Dichlorodifluoromethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001
Dichloromethane	mg/L	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Hexachlorobutadiene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Iodomethane	mg/L	0.005				<0.005						<0.005	
Pentachloroethane	mg/L	0.005				<0.005						<0.005	
Trichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
Tetrabromoethane	mg/L	0.0001											
Tetrabromoethene	mg/L	0.0001											
Tetrachloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
trans-1,2-Dibromoethene	mg/L	0.0001				<0.0001							
trans-1,2-dichloroethene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
trans-1,3-dichloropropene	mg/L	0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
trans-1,4-Dichloro-2-butene	mg/L	0.005				<0.005						<0.005	
1,1,2-Tribromoethene	mg/L	0.0001				<0.0001							
Trichlorofluoromethane	mg/L	0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001
Vinyl bromide (bromoethene)	mg/L	0.0001				<0.0001							
Vinyl chloride	mg/L	0.001	<0.001	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	<0.001

Greater than 50% RPD			Field ID	Q8115-03	Q8115-04	RPD	Q8122-01	Q8122-02	RPD	Q8122-05	Q8122-06	RPD
Greater than 50% RPD but difference between results is <10x LOR			Location Code	MW42	MW42		MW22i	MW22i		SG05	SG05	
Differences in LORs between laboratories			Sampled Date Time	28/06/2011	28/06/2011		7/07/2011	7/07/2011		7/07/2011	7/07/2011	
			Sample Type	Normal	Field D		Normal	Field D		Normal	Field D	
ChemName	output unit	EQL										
Heavy Metals												
Aluminium (Filtered)	mg/L	0.001 : 0.01 (Interlab)	--	--	--	<0.001	0.003	143	0.033	0.032	3	
Arsenic (Filtered)	mg/L	0.0005 : 0.001 (Interlab)	--	--	--	0.0005	0.0005	0	<0.0005	<0.0005	<50	
Cadmium (Filtered)	mg/L	0.0005 : 0.0001 (Interlab)	--	--	--	<0.0005	<0.0005	<50	<0.0005	<0.0005	<50	
Chromium (Filtered)	mg/L	0.001	--	--	--	<0.001	<0.001	<50	<0.001	<0.001	<50	
Copper (Filtered)	mg/L	0.001	--	--	--	<0.001	<0.001	<50	0.001	<0.001	67	
Iron (Filtered)	mg/L	0.001	--	--	--	7	7.1	1	0.32	0.33	3	
Lead (Filtered)	mg/L	0.001	--	--	--	<0.001	<0.001	<50	<0.001	<0.001	<50	
Manganese (Filtered)	mg/L	0.001	--	--	--	0.06	0.062	3	0.017	0.018	6	
Mercury (Filtered)	mg/L	0.0005 : 0.0001 (Interlab)	--	--	--	<0.0005	<0.0005	<50	<0.0005	<0.0005	<50	
Nickel (Filtered)	mg/L	0.001	--	--	--	0.005	0.005	0	<0.001	<0.001	<50	
Zinc (Filtered)	mg/L	0.001 : 0.005 (Interlab)	--	--	--	0.022	0.004	138	0.017	0.008	72	
Halogenated Benzenes												
1,2,3-Trichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,2,4-Trichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,2-Dichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.003	0.004	29	<0.001	<0.001	<50	
1,3-Dichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,4-Dichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
2-Chlorotoluene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
4-Chlorotoluene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
Bromobenzene	mg/L	0.0001 :0.005 (Interlab)	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
Chlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.006	0.008	29	<0.001	<0.001	<50	
MAH												
1,2,4-trimethylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.014	0.018	25	<0.001	<0.001	<50	
1,3,5-Trimethylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.008	0.01	22	<0.001	<0.001	<50	
Benzene	mg/L	0.001	<0.001	<0.001	<50	0.009	0.013	36	<0.001	<0.001	<50	
Ethylbenzene	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.001	<50	0.019	0.023	19	<0.001	<0.001	<50	
Isopropylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.002	0.002	0	<0.001	<0.001	<50	
n-Butylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
n-Propylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.002	0.003	40	<0.001	<0.001	<50	
p-Isopropyltoluene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.007	0.009	25	<0.001	<0.001	<50	
sec-Butylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
Styrene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
tert-Butylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
Toluene	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.001	<50	0.003	0.004	29	<0.001	<0.001	<50	
Xylenes (m & p)	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.001	<50	0.007	0.01	35	<0.001	<0.001	<50	
Xylene (o)	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.001	<50	0.007	0.008	13	<0.001	<0.001	<50	
Xylenes (Sum of m,p & o)	mg/L	0.002	<0.002	<0.002	<50	0.014	0.018	25	<0.002	<0.002	<50	
Total MAHs	mg/L	0.006	<0.006	<0.006	<50	0.0455	0.0585	25	<0.006	<0.006	<50	
PAH												
Naphthalene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.003	0.003	0	<0.001	<0.001	<50	
Sample Quality Parameters												
Nitrate (as N)	mg/L	0.01	--	--	--	--	--	--	0.83	0.03	186	
Total Petroleum Hydrocarbons												
Total C6-C36	mg/L	0.05	<0.05	<0.05	<50	2.2	2.5	13	<0.05	<0.05	<50	
TPH C 6 - C 9 Fraction	mg/L	0.01	<0.01	<0.01	<50	0.11	0.12	9	<0.01	<0.01	<50	
TPH C10 - C14 Fraction	mg/L	0.01	<0.01	<0.01	<50	1.6	1.9	17	<0.01	<0.01	<50	
TPH C15 - C28 Fraction	mg/L	0.05	<0.05	<0.05	<50	0.43	0.54	23	<0.05	<0.05	<50	
TPH C29-C36 Fraction	mg/L	0.05	<0.05	<0.05	<50	<0.05	<0.05	<50	<0.05	<0.05	<50	
TPH+C10 - C36 (Sum of total) (Calculated)	mg/L	0.11	<0.11	<0.11	<50	2.055	2.465	18	<0.11	<0.11	<50	
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,1,1-Trichloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,1,2,2-Tetrabromoethane	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
1,1,2,2-Tetrachloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,1,2-Tribromoethane	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
1,1,2-Trichloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,1-Dichloroethane	mg/L	0.001 : 0.005 (Interlab)	0.004	0.004	0	0.033	0.041	22	<0.001	<0.001	<50	
1,1-Dichloroethene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.002	0.003	40	<0.001	<0.001	<50	
1,1-Dichloropropene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,2,3-Trichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,2-Dibromo-3-chloropropane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
1,2-Dibromoethane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	0.0019	0.0016	17	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
1,2-Dichloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	0.002	0.003	40	<0.001	<0.001	<50	
1,2-Dichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
1,3-Dichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
2,2-Dichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.001	<50	<0.001	<0.001	<50	<0.001	<0.001	<50	
Bromochloromethane	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
Bromodichloromethane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
Bromoethane	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
Bromoethyne	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	
Bromoform	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50	<0.0001	&		

Greater than 50% RPD		Field ID	Q8115-03	Q8116-001	RPD	Q8122-01	Q8123 - 01	
Greater than 50% RPD but difference between results is <10x LOR		Location Code	MW42	MWG42		MW22i	MW22i	
Differences in LORs between laboratories		Sampled Date Time	28/06/2011	28/06/2011		7/07/2011	7/07/2011	RPD
		Sample Type	Normal	Interlab_D		Normal	Interlab_D	
ChemName	output unit	EQL						
Heavy Metals								
Aluminium (Filtered)	mg/L	0.001 : 0.01 (Interlab)	--	--	--	<0.001	<0.01	<50
Arsenic (Filtered)	mg/L	0.0005 : 0.001 (Interlab)	--	--	--	0.0005	<0.001	<50
Cadmium (Filtered)	mg/L	0.0005 : 0.0001 (Interlab)	--	--	--	<0.0005	<0.0001	<50
Chromium (Filtered)	mg/L	0.001	--	--	--	<0.001	<0.001	<50
Copper (Filtered)	mg/L	0.001	--	--	--	<0.001	<0.001	<50
Iron (Filtered)	mg/L	0.001	--	--	--	7	10.1	36
Lead (Filtered)	mg/L	0.001	--	--	--	<0.001	<0.001	<50
Manganese (Filtered)	mg/L	0.001	--	--	--	0.06	0.058	3
Mercury (Filtered)	mg/L	0.0005 : 0.0001 (Interlab)	--	--	--	<0.0005	<0.0001	<50
Nickel (Filtered)	mg/L	0.001	--	--	--	0.005	0.007	33
Zinc (Filtered)	mg/L	0.001 : 0.005 (Interlab)	--	--	--	0.022	<0.005	159
Halogenated Benzenes								
1,2,3-Trichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,2,4-Trichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,2-Dichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.003	<0.005	18
1,3-Dichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,4-Dichlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
2-Chlorotoluene	mg/L	0.001 : 0.005 (Interlab)	0	<0.005	<50	<0.001	<0.005	<50
4-Chlorotoluene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
Bromobenzene	mg/L	0.0001 :0.005 (Interlab)	<0.0001	<0.005	<50	<0.0001	<0.005	<50
Chlorobenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.006	0.007	15
MAH								
1,2,4-trimethylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.014	0.019	30
1,3,5-Trimethylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.008	0.009	12
Benzene	mg/L	0.001	<0.001	<0.001	<50	0.009	0.01	11
Ethylbenzene	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.002	<50	0.019	0.024	23
Isopropylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.002	<0.005	22
n-Butylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
n-Propylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.002	<0.005	22
p-Isopropyltoluene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.007	<0.005	95
sec-Butylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
Styrene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
tert-Butylbenzene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
Toluene	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.002	<50	0.003	0.004	29
Xylenes (m & p)	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.002	<50	0.007	0.008	13
Xylene (o)	mg/L	0.001 : 0.002 (Interlab)	<0.001	<0.002	<50	0.007	0.006	15
Xylenes (Sum of m,p & o)	mg/L	0.002	<0.002	<0.004	<50	0.014	--	--
Total MAHs	mg/L	0.006	<0.006	<0.016	<50	0.0455	--	--
PAH								
Naphthalene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.003	<0.005	18
Sample Quality Parameters								
Nitrate (as N)	mg/L	0.01	--	--	--	--	--	--
Total Petroleum Hydrocarbons								
Total C6-C36	mg/L	0.05	<0.05	--	--	2.2	--	--
TPH C 6 - C 9 Fraction	mg/L	0.01	<0.01	0.14	186	0.11	0.9	156
TPH C10 - C14 Fraction	mg/L	0.01	<0.01	<0.05	<50	1.6	1.74	8
TPH C15 - C28 Fraction	mg/L	0.05	<0.05	0.46	179	0.43	1.27	99
TPH C29-C36 Fraction	mg/L	0.05	<0.05	0.15	143	<0.05	<0.05	<50
TPH+C10 - C36 (Sum of total) (Calculated)	mg/L	0.11	<0.11	0.635	168	2.055	--	--
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,1,1-Trichloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,1,2,2-Tetrabromoethane	mg/L	0.0001	<0.0001	<0.001	<50	<0.0001	<0.001	<50
1,1,2,2-Tetrachloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,1,2-Tribromoethane	mg/L	0.0001	<0.0001	--	--	<0.0001	--	--
1,1,2-Trichloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,1-Dichloroethane	mg/L	0.001 : 0.005 (Interlab)	0.004	<0.005	156	0.033	0.034	3
1,1-Dichloroethene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.002	<0.005	22
1,1-Dichloropropene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,2,3-Trichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,2-Dibromo-3-chloropropane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.005	<50	<0.0001	<0.005	<50
1,2-Dibromoethane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.005	<50	<0.0001	<0.005	<50
cis- & trans-1,2-Dibromoethene	mg/L	0.0001	0.0019	0.0018	5	<0.0001	<0.0001	<50
1,2-Dichloroethane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	0.002	<0.005	22
1,2-Dichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,3-Dichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
2,2-Dichloropropane	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
Bromochloromethane	mg/L	0.0001	<0.0001	--	--	<0.0001	--	--
Bromodichloromethane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.005	<50	<0.0001	<0.005	<50
Bromoethane	mg/L	0.0001	<0.0001	--	--	<0.0001	--	--
Bromoethyne	mg/L	0.0001	<0.0001	--	--	<0.0001	--	--
Bromoform	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50
Bromomethane	mg/L	0.001 : 0.05 (Interlab)	<0.001	<0.05	<50	<0.001	<0.05	<50
Carbon tetrachloride	mg/L	0.00005	<0.001	<0.00005	<50	<0.001	<0.00005	<50
Chlorodibromomethane	mg/L	0.0001 : 0.005 (Interlab)	<0.0001	<0.005	<50	<0.0001	<0.005	<50
Chloroethane	mg/L	0.001 : 0.05 (Interlab)	<0.001	<0.05	<50	0.004	<0.05	145
Chloroform	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
Chloromethane	mg/L	0.001 : 0.05 (Interlab)	<0.001	<0.05	<50	<0.001	<0.05	<50
cis-1,2-Dibromoethene	mg/L	0.0001	0.0014	0.0018	25	<0.0001	<0.0001	<50
cis-1,2-Dichloroethene	mg/L	0.001	0.13	0.108	18	0.99	1.23	22
cis-1,3-Dichloropropene	mg/L	0.001	<0.001	<0.005	<50	<0.001	<0.005	<50
Dibromomethane	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50
Dichlorodifluoromethane	mg/L	0.001 : 0.05 (Interlab)	<0.001	<0.05	<50	<0.001	<0.05	<50
Dichloromethane	mg/L	0.01	<0.01	--	--	<0.01	--	--
Hexachlorobutadiene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
Other Chlorinated Hydrocarbons (IWRG)	mg/l		0.029	0.047525	48	0.027	--	--
Trichloroethene	mg/L	0.001	0.018	0.02	11	0.005	0.007	83
Tetrabromoethane	mg/L	0.0001	<0.0001	--	--	<0.0001	--	--
Tetrabromoethene	mg/L	0.0001	<0.0001	--	--	<0.0001	--	--
Tetrachloroethene	mg/L	0.001 : 0.005 (Interlab)	0.014	0.015	7	<0.001	<0.005	<50
Trihalomethanes	mg/L	0.0013 : 0.0151 (Interlab)	<0.0013	<0.0151	<50	<0.0013	--	--
trans-1,2-Dibromoethene	mg/L	0.0001	0.0005	<0.0001	164	<0.0001	<0.0001	<50
trans-1,2-dichloroethene	mg/L	0.001	0.003	<0.005	18	<0.001	<0.005	<50
trans-1,3-dichloropropene	mg/L	0.001 : 0.005 (Interlab)	<0.001	<0.005	<50	<0.001	<0.005	<50
1,1,2-Tribromoethene	mg/L	0.0001	<0.0001	<0.0001	<50	<0.0001	<0.0001	<50
Trichlorofluoromethane	mg/L	0.001 : 0.05 (Interlab)	<0.001	<0.05	<50	<0.001	<0.05	<50
Vinyl bromide (bromoethene)	mg/L	0.0001	<0.0001	0.00027	138	<0.0001	0.00019	27
Vinyl chloride	mg/L	0.001 : 0.05 (Interlab)	<0.001	<0.05	<50	0.002	<0.05	170

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Legend

- Highway
- Road; Rural Arterial
- Road; Urban Arterial
- Bridge
- Railway Station
- Rail
- Watercourse

Boundaries

- Hanson and Industrial Area
- Former Waste Control Boundary
- Damplands Boundary
- Lot 2 Boundary

North Arrow

Scale

0 250 500 1,000 m

A3 SCALE 1:20,000
Datum GDA94, Projection MGA94, Zone 50

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CLIENT	LandCorp
PROJECT	087643011-168-R-REV0
DATE	13/08/2012
COMPILED	SR/MS
APPROVED	SV

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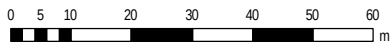
Former Waste Control Site, Bellevue

SITE LOCATION PLAN

FIGURE 1



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A3 SCALE 1:1,250

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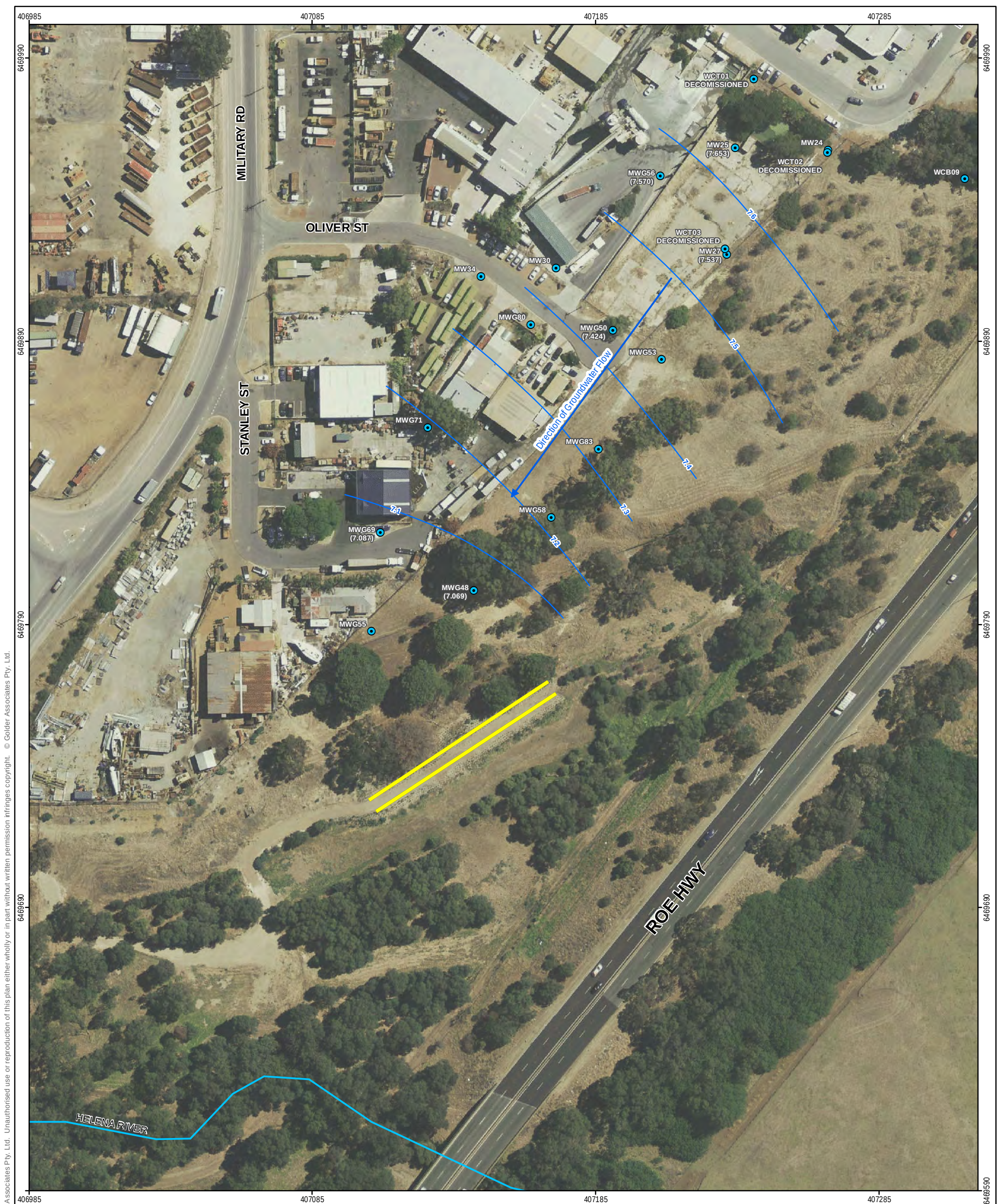
Legend

- Inferred Groundwater Contour (mAHD)
- PRB
- Wells, aquifer type
 - Leederville
 - ◆ 3-multilevel and Leederville formation

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MONITORING WELLS
LEEDERVILLE
FORMATION

Figure 3



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0 5 10 20 30 40 50
m

A3 SCALE 1:1,250
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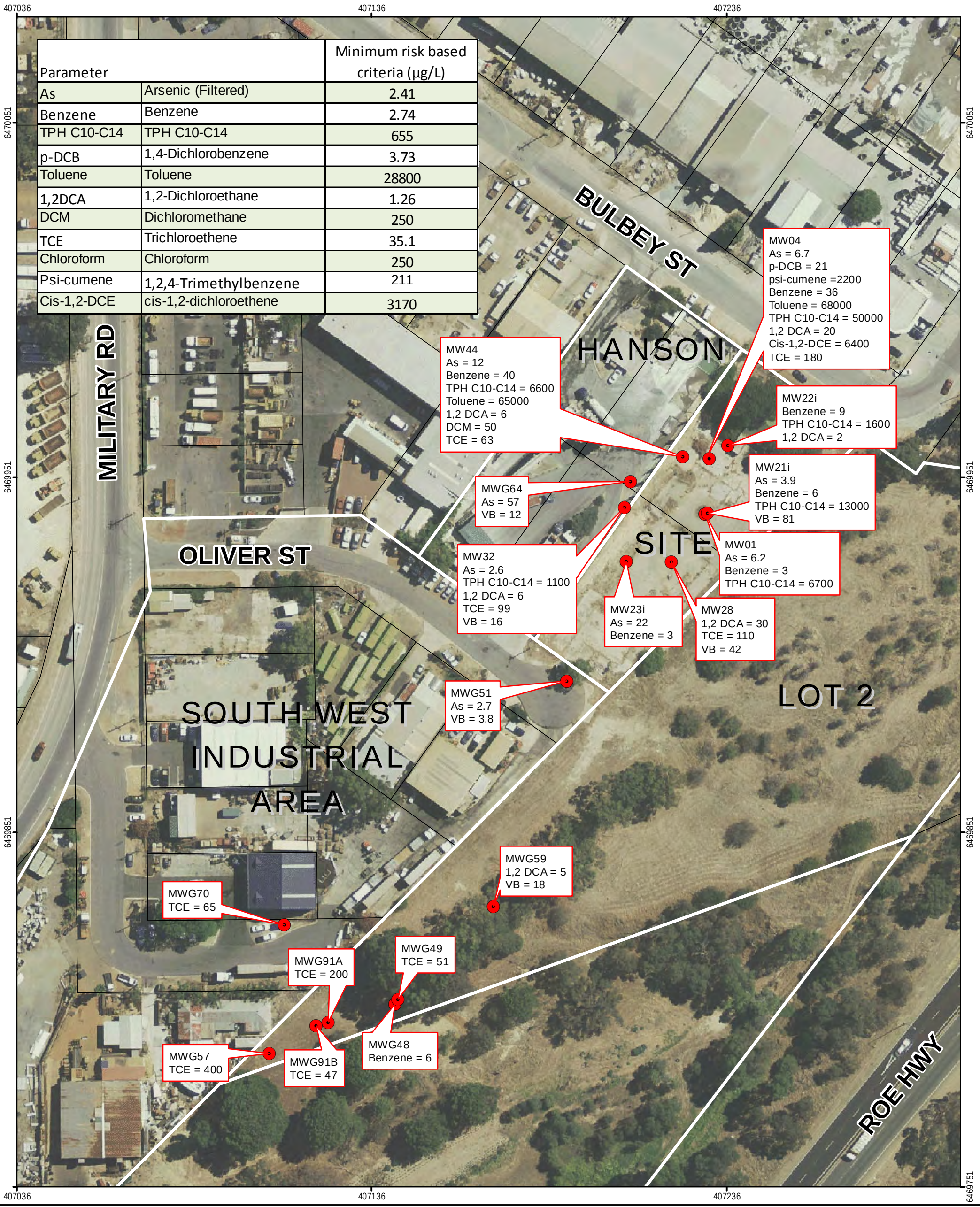
Legend

- Base of Guildford
- Inferred Groundwater Contour (mAHD)
- PRB

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MONITORING WELLS
BASE OF GUILDFORD

Figure 4



0 5 10 20 30 40 50 m

A3 SCALE 1:1,000

Datum GDA94, Projection MGA94, Zone 50

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Legend

- Sampling Location
- ▭ Site Boundaries
- ▭ Cadastre

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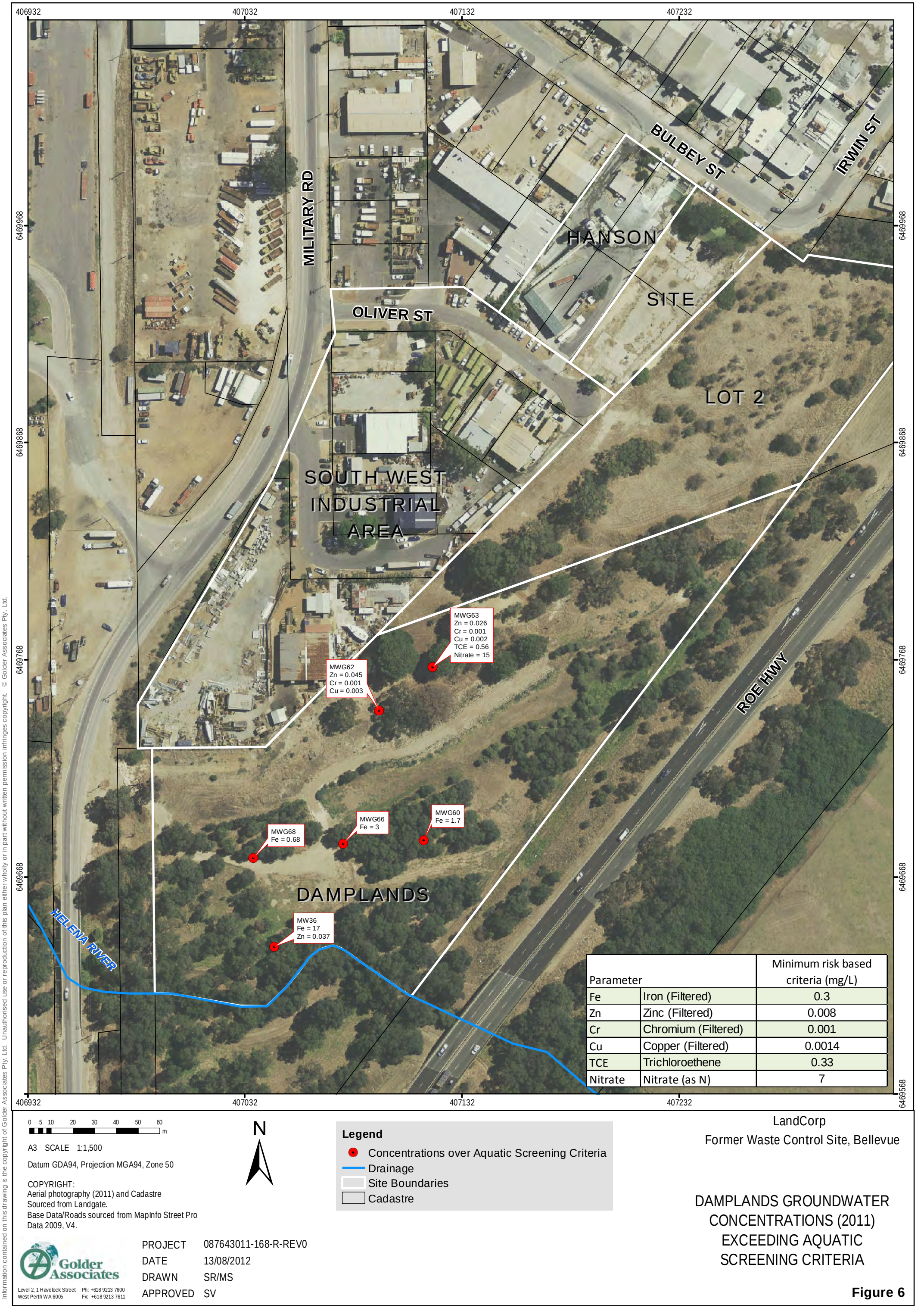
**GROUNDWATER
CONCENTRATIONS (2011)
EXCEEDING HUMAN HEALTH RBC**

Figure 5

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0 5 10 20 30 40 50 60
m

A3 SCALE 1:1,600

Datum GDA94, Projection MGA94, Zone 50

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Legend

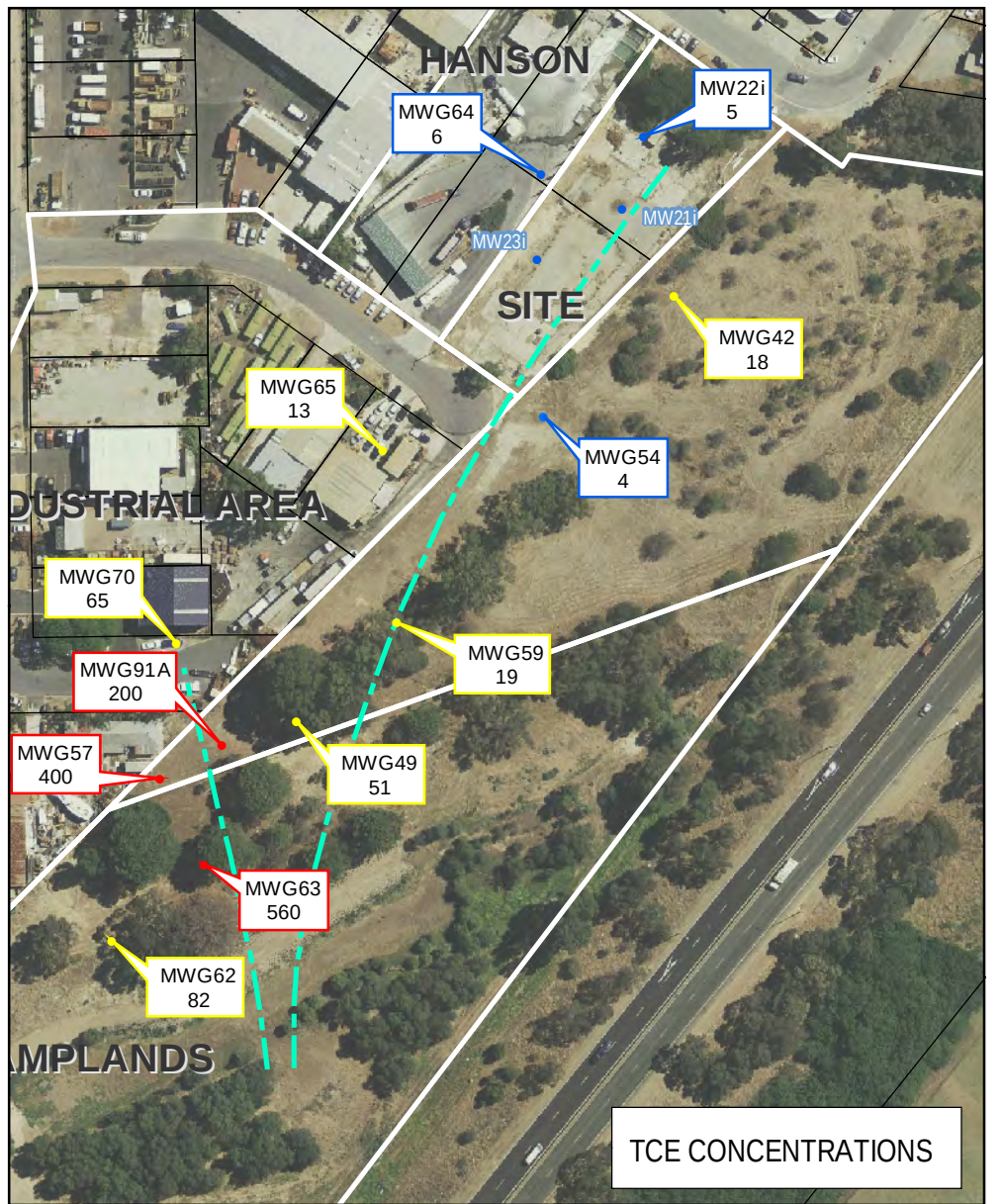
- Exceeds relevant Risk-based Criteria -
 - 35.1 - Site, Lot 2, SWI
 - 84.7 - Damplands
 - < Relevant Risk-based Criteria -
 - Site Boundaries
 - Cadastre
 - Drainage
- MWG00 (0.00) Monitoring Well Id
Maximum Concentration (mg/L)

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TCE
CONCENTRATIONS -
2011 (µG/L)

Figure 7

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0 10 20 40 60 80 100 m

A3 SCALE 1:2,000

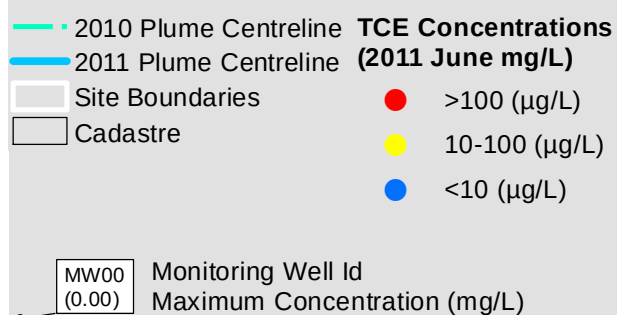
Datum GDA94, Projection MGA94, Zone 50

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Legend



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DISTRIBUTION OF
CHLORINATED ETHENES
IN GROUNDWATER

Figure 8